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ON THE EXACT JOINT DISTRIBUTIONS OF THE  
EXTREME ROOTS OF THE COMPLEX WISHART  
AND MULTIVARIATE BETA MATRICES

P. R. Krishnaiah, et al

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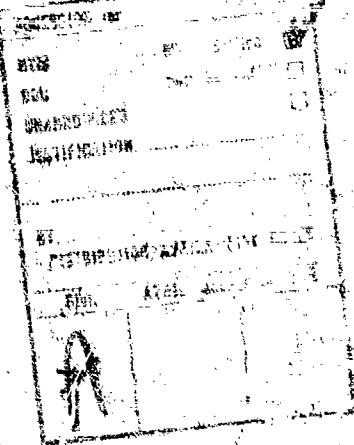
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## PREFACE

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TABLE OF CONTENTS

SECTION	PAGE
I INTRODUCTION	1
II JOINT DISTRIBUTIONS OF THE EXTREME ROOTS OF THE COMPLEX WISHART AND MULTIVARIATE BETA MATRICES	2
III CONSTRUCTION OF THE TABLES	4
IV APPLICATIONS	5
TABLES	
EXPLANATION OF TABLES	
REFERENCES	

SECTION I  
INTRODUCTION

The joint distribution of the extreme roots of the complex Wishart matrix is useful in testing the hypothesis that the spectral density matrix of a stationary Gaussian, multiple time series is equal to a known matrix against two-sided alternatives. Similarly, the joint density of the extreme roots of a complex multivariate beta matrix is useful in finding out whether the spectral density matrices of two Gaussian, stationary, multiple time series are the same. In this paper, the authors tabulated the percentage points associated with the joint distributions of the extreme roots of the complex Wishart and multivariate beta matrices. The applications of these tables are also discussed.

## SECTION II

### JOINT DISTRIBUTIONS OF THE EXTREME ROOTS OF THE COMPLEX WISHART AND MULTIVARIATE BETA MATRICES

Let  $S_1$  and  $S_2$  be distributed independently as central complex Wishart matrices with  $n_1$  and  $n_2$  degrees of freedom and let  $E(S_i/n_i) = \Sigma_i$  for  $i = 1, 2$ . Also, let  $\lambda_1 < \dots < \lambda_p$  be the latent roots of  $S_1$  and let  $\theta_1 < \dots < \theta_p$  denote the roots of  $S_1(S_1 + S_2)^{-1}$ . When  $\Sigma_1 = I_p$ , where  $I_p$  is an identity matrix, the joint density of  $\lambda_1, \dots, \lambda_p$  is known [1,2] to be

$$f(\lambda_1, \dots, \lambda_p) = C_1 \prod_{i=1}^p \{\lambda_i^r \exp(-\lambda_i)\} \prod_{i>j} \{\lambda_i - \lambda_j\}^2 \quad (1)$$

$$0 \leq \lambda_1 \leq \dots \leq \lambda_p \leq \infty,$$

where

$$C_1 = 1 / \prod_{i=1}^p \{\Gamma(i)\Gamma(n_1-p+i)\}, \quad r = n_1-p.$$

When  $\Sigma_1 = \Sigma_2$ , the joint density of  $\theta_1, \dots, \theta_p$  is known [1,2] to be

$$g(\theta_1, \dots, \theta_p) = C_2 \left\{ \prod_{j=1}^p \theta_j^{r_j} (1-\theta_j)^{n_j} \right\} \prod_{i>j} (\theta_i - \theta_j)^2, \quad (2)$$

$$0 \leq \theta_1 \leq \dots \leq \theta_p \leq 1$$

where  $n = n_2 - p$  and

$$C_2 = \prod_{j=1}^p \{\Gamma(r+n+p+j)/\Gamma(r+j)\Gamma(n+j)\}.$$

It is seen that

$$P[c_1 \leq \lambda_1 \leq \lambda_p \leq c_2] = C_1 |(a_{ij})| \quad (3)$$

$$P[d_1 \leq \theta_1 \leq \theta_p \leq d_2] = C_2 |(b_{ij})| \quad (4)$$

where

$$a_{ij} = \int_{c_1}^{c_2} \exp(-y) y^{r+i+j-2} dy \quad (5)$$

$$b_{ij} = \int_{d_1}^{d_2} y^{r+i+j-2} (1-y)^n dy. \quad (6)$$

The above results follow immediately by applying a result of C. Andreief  
(see Lemma 2.1 in [3]) for the evaluation of certain integral.

### SECTION III

#### CONSTRUCTION OF THE TABLES

Using the expressions given by Eqs (3) and (5), the authors computed the values of  $c$  for different values of  $\alpha$ ,  $p$ , and  $n_1$  where

$$P\left[\frac{1}{c} \leq \ell_1 \leq \ell_p \leq c\right] = (1-\alpha) \quad (7)$$

and the joint density of  $\ell_1, \dots, \ell_p$  is given by Eq (1). Similarly, the authors computed the values of  $d$  for different values of  $\alpha$ ,  $p$ ,  $r$  and  $n$  using Eqs (4) and (6) where

$$P[1-d \leq \theta_1 \leq \theta_p \leq d] = (1-\alpha) \quad (8)$$

and the joint density of  $\theta_1 \leq \dots \leq \theta_p$  is given by Eq (2). Table I gives the values of  $c$  for  $p = 2(1)10$ ,  $\alpha = 0.010, 0.025, 0.050, 0.100$  and different values of  $n_1$ . Table II gives the values of  $d$  for  $p = 2(1)14$ ,  $r = 0(1)5, 7, 10, 15$ ,  $n = 5(1)10(2)20(5)50$ , and  $\alpha = 0.010, 0.025, 0.050, 0.100$ .

SECTION IV  
APPLICATIONS

Let  $\underline{X}'(t) = (X_1(t), \dots, X_p(t))$  be distributed as a p-dimensional stationary Gaussian time series with zero means and spectral density matrix  $F(\omega)$  whereas  $\underline{Y}'(t) = (Y_1(t), \dots, Y_p(t))$  is distributed as a p-dimensional Gaussian stationary time series with spectral density matrix  $G(\omega)$ . Also, the two time series  $\{\underline{X}(t)\}$  and  $\{\underline{Y}(t)\}$  are independently distributed and they have records of length  $T$ . Then, a well known estimate of  $F(\omega)$  is given by  $\hat{F}(\omega)$  where  $\hat{F}(\omega) = (\hat{f}_{uv}(\omega))$ ,

$$\hat{f}_{uv}(\omega) = \frac{1}{(2a+1)} \sum_{j=-a}^a I_{uv}(\omega + \frac{2\pi j}{T})$$

$$I_{uv}(a_j) = Z_u(a_j) \bar{Z}_v'(a_j)$$

$$Z_u(a_j) = \frac{1}{\sqrt{2\pi T}} \sum_{t=1}^T X_u(t) \exp(-it a_j),$$

$a$  is a suitably chosen integer, and  $Z'$  denotes the transpose of the complex conjugate of  $Z$ . Now, let  $\hat{G}(\omega)$  be an estimate of  $G(\omega)$  defined in the same way as  $F(\omega)$ . Also, let  $\lambda_1(\omega) \leq \dots \leq \lambda_p(\omega)$  be the roots of  $F(\omega)$  whereas  $\hat{\lambda}_1(\omega) \leq \dots \leq \hat{\lambda}_p(\omega)$  are the roots of  $\hat{F}(\omega)$ . In addition, let  $\mu_1(\omega) \leq \dots \leq \mu_p(\omega)$  be the roots of  $F(\omega)(F(\omega)+G(\omega))^{-1}$  and let  $\hat{\mu}_1(\omega) \leq \dots \leq \hat{\mu}_p(\omega)$  be the roots of  $\hat{F}(\omega)(\hat{F}(\omega)+\hat{G}(\omega))^{-1}$ . Next, let  $H_1: F(\omega) = \lambda(\omega) I_p$  and  $A_1: F(\omega) \neq \lambda(\omega) I_p$  where  $\lambda(\omega)$  is known. Then, we accept  $H_1$  against  $A_1$  if

$$c_1 \leq \hat{\lambda}_1(\omega) \leq \hat{\lambda}_p(\omega) \leq c_2 \quad (9)$$

and reject if otherwise where

$$P[c_1 \leq \hat{\lambda}_1(\omega) \leq \hat{\lambda}_p(\omega) \leq c_2 | H_1] = (1-\alpha). \quad (10)$$

The optimum choice of the constants  $c_1$  and  $c_2$  is not known. For practical purposes, we choose  $c_2 = 1/c_1$ . It is known (see [4]) that, when  $H_1$  is true,  $(2a+1)\hat{F}(\omega)$  is approximately distributed as a central complex Wishart matrix with  $(2a+1)$  degrees of freedom and  $E(\hat{F}(\omega)) = \lambda(\omega)I_p$ . So, approximate values of  $c_2$  can be obtained from Table I for certain values of  $\alpha$ ,  $a$ , and  $p$  when  $c_2 = 1/c_1$ . Next, let  $H_2: F(\omega) = G(\omega)$  and  $A_2: F(\omega) \neq G(\omega)$ . Then, we accept  $H_2$  against  $A_2$  if

$$d_1 \leq \hat{\mu}_1(\omega) \leq \hat{\mu}_p(\omega) \leq d_2$$

and reject it otherwise where

$$P[d_1 \leq \hat{\mu}_1(\omega) \leq \hat{\mu}_p(\omega) \leq d_2 | H_2] = (1-\alpha). \quad (11)$$

The optimum choice of  $d_1$  and  $d_2$  is not known and we choose  $d_2 = 1-d_1$  for practical purposes. We know that  $(2a+1)\hat{F}(\omega)$  and  $(2a+1)\hat{G}(\omega)$  are approximately distributed as complex Wishart matrices with  $(2a+1)$  degrees of freedom. So, when  $H_2$  is true, the critical values  $d_2$  can be obtained from Table II for different values of  $\alpha$ ,  $p$ , and when  $d_2 = 1-d_1$ .

Next, let us assume that the frequencies  $\omega_1, \dots, \omega_q$  are spaced sufficiently wide apart. Also, let  $H_3$  denote the hypothesis that  $F(\omega_l) = G(\omega_l)$  for  $l = 1, \dots, q$ . Also, let the alternative hypothesis be denoted by  $A_3: \bigcup_{l=1}^q [F(\omega_l) \neq G(\omega_l)]$ . Then, we accept  $H_3$  if

$$d_1 \leq \hat{\mu}_1(\omega_\ell) \leq \hat{\mu}_p(\omega_\ell) \leq d_2 \quad (12)$$

for  $\ell = 1, 2, \dots, q$  and reject otherwise where

$$\begin{aligned} P[d_1 \leq \hat{\mu}_1(\omega_\ell) \leq \hat{\mu}_p(\omega_\ell) \leq d_2; \ell = 1, \dots, q | H] \\ = (1-\alpha) \end{aligned} \quad (13)$$

But

$$P[d_1 \leq \hat{\mu}_1(\omega_\ell) \leq \hat{\mu}_p(\omega_\ell) \leq d_2; \ell = 1, \dots, q]$$

$$\approx \prod_{\ell=1}^q P[d_1 \leq \hat{\mu}_1(\omega_\ell) \leq \hat{\mu}_p(\omega_\ell) \leq d_2]$$

since the frequencies  $\omega_\ell$  are sufficiently far apart. Also,  $(2a+1) \hat{F}(\omega_\ell)$  and  $(2a+1) \hat{G}(\omega_\ell)$  are distributed approximately as complex Wishart matrices with  $(2a+1)$  degrees of freedom. So, if we choose  $d_2 = 1-d_1$ , approximate values of  $d_2$  can be obtained from Table II. We can similarly test the simultaneous hypothesis that  $F(\omega_\ell) = \lambda(\omega_\ell) I_p$  for  $\ell = 1, \dots, p$ .

#### EXPLANATION OF TABLES

Table I gives the values of  $c$  for different values of  $\alpha$ ,  $n$ , and  $n$  where

$$P\left[\frac{1}{c} \leq \ell_1 \leq \ell \leq c\right] = (1-\alpha)$$

and the joint density of  $\ell_1 \leq \dots \leq \ell$  is given by Eq (1) with  $p$  replaced by  $P$ .

Table II gives the values of  $d$  for different values of ALPHA, P, R, and N where

$$P[1-d \leq \theta_1 \leq \theta_p \leq d] = (1-\alpha)$$

and the joint density of  $\theta_1 \leq \dots \leq \theta_p$  is given by Eq (2) with  $n$ ,  $p$ ,  $r$  replaced by  $N$ ,  $P$ ,  $R$ , respectively.

TABLE I  
 PERCENTAGE POINTS OF THE JOINT DISTRIBUTION OF THE EXTREME  
 $P = 2$  ROOTS OF THE COMPLEX WISHART MATRIX       $P = 3$

$n_1$	$\alpha \cdot 100$	.100	.050	.025	.010	$n_1$	$\alpha \cdot 100$	.100	.050	.025	.010
3	8.0127	9.2933	10.6813	13.1736		4	11.8295	13.3172	14.9371	18.0678	
4	9.2991	10.4780	11.5837	12.9740		5	13.1893	14.5196	15.7557	17.2975	
5	10.8304	12.0804	13.2436	14.6913		6	14.8171	16.2045	17.4853	19.0679	
6	12.3185	13.6366	14.8585	16.3736		7	16.4028	17.8474	19.1778	20.8176	
7	13.7658	15.1466	16.4226	18.0001		8	17.9464	19.4447	20.8216	22.5152	
8	15.1809	16.6200	17.9465	19.5825		9	19.4559	21.0046	22.4252	24.1698	
9	16.5698	18.0638	19.4378	21.1209		10	20.9368	22.5334	23.9956	25.7884	
10	17.9370	19.4830	20.9020	22.6452		11	22.3936	24.0357	25.5376	27.3765	
11	19.2858	20.8812	22.3430	24.1360		12	23.8294	26.5153	27.0550	28.9381	
12	20.6186	22.2612	23.7641	25.6046		13	25.2471	26.9748	28.5511	30.4766	
13	21.9375	23.6254	25.1676	27.0540		14	26.6487	28.4168	30.0281	31.9946	
14	23.2440	24.9757	26.5557	28.4862		15	28.0358	29.8428	31.4882	33.4943	
15	24.5396	26.3134	27.9301	29.9031		16	29.4100	31.2548	32.9330	34.9775	
16	25.8253	27.6399	29.2920	31.3062		17	30.7725	32.6539	34.3639	36.4458	
17	27.1021	28.9561	30.6425	32.6968		18	32.1243	34.0412	35.7823	37.9003	
18	28.3707	30.2630	31.9829	34.0760		19	33.4663	35.4178	37.1891	39.3424	
19	29.6318	31.5615	33.3138	35.4448		20	34.7992	36.7844	38.5852	40.7729	
20	30.8860	32.8521	34.6360	36.8038		22	37.4407	39.4910	41.3486	43.6027	
22	33.3758	35.4120	37.2570	39.4960		24	40.0533	42.1658	44.0777	46.3953	
24	35.8436	37.9468	39.8501	42.1571		26	42.6405	44.8128	46.7768	49.1555	
26	38.2920	40.4594	42.4188	44.7911		28	45.2054	47.4351	49.4494	51.8870	
28	40.7232	42.9525	44.9658	47.4011		30	47.7501	50.0354	52.0983	54.5926	
30	43.1392	45.4282	47.4935	49.9895		35	54.0367	56.4533	58.6310	61.2598	
35	49.1216	51.5518	53.7401	56.3799		40	60.2335	62.7724	65.0572	67.8114	
40	55.0354	57.5970	59.9000	62.6737		45	66.3571	69.0110	71.3963	74.2685	
45	60.8933	63.5784	65.9892	68.8887		50	72.4195	75.1821	77.6627	80.6466	
50	66.7045	69.5064	72.0190	75.0378							

TABLE I (Continued)

P = 4							P = 5						
n	1	$\alpha$	.100	.050	.025	.010	n	1	$\alpha$	.100	.050	.025	.010
5	15.6727		17.3249	19.1331	22.8622		6	19.5349		21.3261	23.2949	27.6019	
6	17.0693		18.5241	19.8678	21.5358		7	20.9515		22.5134	23.9502	25.7276	
7	18.7577		20.2601	21.6413	23.3374		8	22.6818		24.2847	25.7516	27.5493	
8	20.4074		21.9600	23.3834	25.1308		9	24.3773		26.0250	27.5308	29.3736	
9	22.0164		23.6163	25.6809	26.8761		10	26.0342		27.7245	29.2674	31.1535	
10	23.5913		25.2362	26.7399	28.5805		11	27.6579		29.3890	30.9675	32.8949	
11	25.1373		26.8251	28.3561	30.2502		12	29.2533		31.0235	32.6359	34.6032	
12	26.6584		28.3873	29.9540	31.8898		13	30.8236		32.6314	34.2767	36.2823	
13	28.1577		29.9259	31.5372	33.5032		14	32.3719		34.2160	35.8930	37.9355	
14	29.6377		31.4440	33.0385	35.0931		15	33.9005		35.7798	37.4874	39.5658	
15	31.1004		32.9436	34.6201	36.6623		16	35.4115		37.3248	39.0621	41.1752	
16	32.5477		34.4265	36.1341	38.2127		17	36.9065		38.8526	40.6189	42.7659	
17	33.9810		35.8944	37.6322	39.7461		18	38.3867		40.3651	42.1595	44.3393	
18	35.4015		37.3485	39.1156	41.2639		19	39.8537		41.8634	43.6851	45.8970	
19	36.8102		38.7899	40.5857	42.7674		20	41.3084		43.3486	45.1969	47.4401	
20	38.2082		40.2198	42.0435	44.2578		22	44.1842		46.2834	48.1833	50.4870	
22	40.9750		43.0482	44.9257	47.2032		24	47.0206		49.1762	51.1255	53.4871	
24	43.7072		45.8393	47.7683	50.1062		26	49.8224		52.0321	54.0289	56.4463	
26	46.4091		48.5979	50.5754	52.9723		28	52.5935		54.8555	56.8981	59.3692	
28	49.0841		51.3274	53.3537	55.8056		30	55.3373		57.6498	59.7366	62.2797	
30	51.7353		54.0312	56.1037	58.6096		35	62.0939		64.5258	66.7175	69.3636	
35	58.2731		60.6935	62.8751	65.5091		40	68.7279		71.2712	73.5607	76.3217	
40	64.7036		67.2401	69.5235	72.2769		45	75.2617		77.9100	80.2915	83.1608	
45	71.0465		73.6922	76.0714	78.9373		50	81.7121		84.4596	86.9283	89.9002	
50	77.3161		80.0653	82.5351	85.5076								

TABLE I (Continued)

P = 6					P = 7				
$n_1$	$\alpha$	.100	.050	.025	.100	.050	.025	.010	
7	23.4114	25.3239	27.4342	32.3088	8	27.2990	29.3201	31.5572	36.9962
8	24.8389	26.4956	28.0149	29.8898	9	28.7321	30.4743	32.0683	34.0314
9	26.6001	28.2926	29.8372	31.7253	10	30.5171	32.2910	33.9064	35.8768
10	28.3302	30.0635	31.6434	33.5725	11	32.2743	34.0856	35.7335	37.7417
11	30.0238	31.7960	33.4101	35.3788	12	33.9972	35.8445	37.5239	39.5688
12	31.6857	33.4954	35.1421	37.1490	13	35.6898	37.5719	39.2815	41.3620
13	33.3199	35.1656	36.8438	38.8875	14	37.3555	39.2712	41.0104	43.1251
14	34.9295	36.8102	38.5188	40.5980	15	38.9975	40.9457	42.7132	44.8613
15	36.5174	38.4316	40.1697	42.2835	16	40.6178	42.5977	44.3928	46.5732
16	38.0854	40.0324	41.7991	43.9463	17	42.2188	44.2293	46.0513	48.2632
17	39.6358	41.6145	43.4089	45.5887	18	43.8020	45.8424	47.6905	49.9331
18	41.1698	43.1795	45.0019	47.2124	19	45.3690	47.4385	49.3121	51.5846
19	42.6890	44.7288	46.5765	48.8190	20	46.9210	49.0188	50.9173	53.2191
20	44.1945	46.2636	48.1372	50.4096	22	49.9844	52.1372	54.0839	56.4421
22	47.1683	49.2942	51.2175	53.5483	24	52.9999	55.2053	57.1981	59.6107
24	50.0982	52.2784	54.2494	56.6361	26	55.9733	58.2294	60.2667	62.7313
26	52.9896	55.2221	57.2399	59.6795	28	58.9095	61.2146	63.2943	65.8096
28	55.8470	58.1299	60.1909	62.6834	30	61.8127	64.1645	66.2863	68.8504
30	58.6739	61.0055	63.1092	65.6520	35	68.9452	71.4096	73.6292	76.3086
35	65.6268	68.0738	70.2788	72.9406	40	75.929	78.497	80.810	83.596
40	72.4434	74.9980	77.2977	80.0706	45	82.79	85.45	87.85	90.73
45	79.1487	81.8049	84.1936	87.0710	50	89.55	92.31	94.79	97.77
50	85.7611	88.5133	90.9832	93.9632					

TABLE I (Continued)

P = 8					P = 9					
$n_1$	$\alpha$	.100	.050	.025	.100	$n_1$	$\alpha$	.050	.025	.010
9	31.1954	33.3151	35.6681	41.6722	10	35.0993	37.3096	39.7692	46.3429	
10	32.6309	34.4512	36.1137	38.1579	11	36.5348	38.4273	40.1532	42.2724	
11	34.4347	36.2834	37.9639	40.0103	12	38.3540	40.2720	42.0131	44.1303	
12	36.2139	38.0972	39.8079	41.8895	13	40.1512	42.1016	43.8710	46.0209	
13	37.9606	39.8775	41.6176	43.7334	14	41.9178	43.8998	45.6966	47.8789	
14	39.6784	41.6279	43.3264	45.5455	15	43.6569	45.6694	47.4932	49.7069	
15	41.3705	43.3515	45.1476	47.3290	16	45.3713	47.4136	49.2631	51.5070	
16	43.0395	45.0510	46.8739	49.0866	17	47.0633	49.1345	51.0094	53.2828	
17	44.6873	46.7287	48.5775	50.8208	18	48.734	50.833	52.733	55.036	
18	46.3161	48.3865	50.2608	52.5336	19	50.387	52.514	54.438	56.769	
19	47.9274	50.0259	51.9249	54.2268	20	52.023	54.176	56.123	58.481	
20	49.5226	51.6488	53.5719	55.9022	22	55.248	57.451	59.447	61.857	
22	52.669	54.848	56.818	59.203	24	58.416	60.672	62.707	65.171	
24	55.764	57.394	60.009	62.447	26	61.53	63.83	65.90	68.43	
26	58.813	61.093	63.150	65.640	28	64.61	66.97	69.10	71.62	
28	61.823	64.18	66.248	68.784	30	67.6	70.0	72.1	74.8	
30	64.79	67.17	69.30	71.89	35	75.1	77.5	80.0	82.8	
35	72.09	74.57	76.80	79.46	40	82.	85.	86.	89.	
40	79.2	81.8	84.1	86.9	45	88.	91.	93.	94.	
45	86.2	89.0	91.3	94.5						

TABLE I (Continued)

 $P = 10$ 

$n_1$	$\alpha$	.100	.050	.025	.010
11	39.0093	41.3036	43.8625	51.0122	
12	40.4433	42.4032	44.1882	46.3776	
13	42.275	44.258	46.055	48.239	
14	44.087	46.101	47.925	50.139	
15	45.871	47.914	49.764	52.008	
16	47.628	49.700	51.575	53.852	
17	49.361	51.461	53.362	55.661	
18	51.07	53.20	55.12	57.45	
19	52.76	54.92	56.87	59.21	
20	54.43	56.62	58.59	60.98	
22	57.73	59.97	62.00	64.40	
24	60.9	63.2	65.2	67.	
26	64.1	66.4	68.5	71.0	
28	67.	69.	71.	74.	
30	70.	73.	74.	75.	

TABLE II  
PERCENTAGE POINTS OF THE JOINT DISTRIBUTION OF THE EXTREME  
ROOTS OF THE COMPLEX MULTIVARIATE BETA MATRIX

	P = .2					ALPHA = .100				
N	R	0	1	2	3	4	5	7	10	15
5		.9925	.9601	.9175	.8741	.8387	.8198	.8252	.8575	.8924
6		.9934	.9647	.9264	.8858	.8474	.8174	.7997	.8282	.8687
7		.9942	.9684	.9336	.8962	.8591	.8252	.7862	.8008	.8457
8		.9947	.9713	.9395	.9049	.8701	.8365	.7845	.7771	.8233
9		.9952	.9738	.9444	.9122	.8795	.8476	.7908	.7599	.8017
10		.9956	.9759	.9486	.9185	.8878	.8575	.8008	.7510	.7809
12		.9962	.9792	.9553	.9287	.9012	.8739	.8212	.7545	.7436
14		.9967	.9817	.9605	.9367	.9118	.8869	.8383	.7718	.7185
16		.9971	.9836	.9646	.9430	.9203	.8974	.8524	.7895	.7124
18		.9973	.9852	.9679	.9462	.9273	.9062	.8642	.8050	.7213
20		.9976	.9865	.9707	.9525	.9332	.9135	.8743	.8183	.7361
25		.9981	.9890	.9759	.9607	.9444	.9277	.8940	.8448	.7703
30		.9984	.9906	.9795	.9665	.9524	.9379	.9083	.8645	.7968
35		.9985	.9919	.9821	.9707	.9584	.9456	.9192	.8798	.8178
40		.9987	.9928	.9842	.9741	.9630	.9516	.9278	.8919	.8348
45		.9989	.9936	.9858	.9757	.9668	.9563	.9347	.9018	.8490
50		.9940	.9942	.9872	.9789	.9698	.9602	.9404	.9101	.8608

	P = .2					ALPHA = .050				
N	R	0	1	2	3	4	5	7	10	15
5		.9963	.9730	.9379	.8992	.8649	.8456	.8514	.8798	.9095
6		.9968	.9762	.9447	.9091	.8733	.8435	.8254	.8523	.8875
7		.9971	.9787	.9501	.9174	.8837	.8514	.8113	.8258	.8658
8		.9974	.9807	.9546	.9244	.8929	.8617	.8097	.8022	.8446
9		.9977	.9824	.9583	.9303	.9008	.8713	.8164	.7841	.8238
10		.9979	.9838	.9615	.9354	.9077	.8798	.8258	.7745	.8038
12		.9981	.9860	.9666	.9435	.9189	.8937	.8442	.7785	.7667
14		.9984	.9877	.9704	.9498	.9276	.9048	.8593	.7953	.7401
16		.9985	.9890	.9735	.9549	.9347	.9137	.8717	.8116	.7335
18		.9987	.9901	.9760	.9590	.9405	.9212	.8822	.8256	.7431
20		.9988	.9909	.9780	.9624	.9453	.9274	.8910	.8377	.7575
25		.9991	.9926	.9820	.9690	.9546	.9394	.9081	.8616	.7895
30		.9992	.9938	.9847	.9735	.9612	.9480	.9206	.8793	.8141
35		.9993	.9946	.9867	.9769	.9660	.9544	.9301	.8930	.8334
40		.9994	.9952	.9882	.9795	.9698	.9594	.9376	.9039	.8491
45		.9995	.9957	.9894	.9816	.9729	.9635	.9436	.9127	.8621
50		.9995	.9961	.9904	.9833	.9753	.9668	.9486	.9201	.8730

TABLE II (Continued)

	P = 2		ALPHA = .025							
N	R	0	1	2	3	4	5	7	10	15
5	.9982	.9915	.9525	.9184	.8859	.8667	.8724	.8973	.9229	
6	.9984	.9837	.9578	.9265	.8938	.8648	.8466	.8716	.9025	
7	.9985	.9854	.9619	.9334	.9027	.8724	.8322	.8463	.8820	
8	.9987	.9868	.9654	.9391	.9106	.8816	.8308	.8230	.8618	
9	.9989	.9879	.9682	.9438	.9173	.8900	.8374	.8045	.8419	
10	.9990	.9889	.9706	.9479	.9231	.8973	.8463	.7945	.8226	
12	.9991	.9914	.9745	.9546	.9324	.9093	.8629	.7987	.7862	
14	.9992	.9918	.9775	.9596	.9398	.9189	.8763	.8148	.7588	
16	.9993	.9925	.9798	.9637	.9456	.9265	.8873	.8298	.7518	
18	.9994	.9932	.9817	.9671	.9505	.9329	.8965	.8421	.7617	
20	.9994	.9938	.9833	.9698	.9546	.9383	.9043	.8536	.7756	
25	.9995	.9950	.9863	.9751	.9622	.9485	.9195	.8753	.8055	
30	.9996	.9957	.9884	.9787	.9677	.9558	.9305	.8914	.8284	
35	.9997	.9963	.9899	.9815	.9718	.9613	.9388	.9038	.8464	
40	.9997	.9967	.9911	.9836	.9750	.9656	.9454	.9136	.8610	
45	.9997	.9970	.9920	.9853	.9775	.9690	.9507	.9216	.8730	
50	.9998	.9973	.9927	.9867	.9796	.9718	.9550	.9283	.8831	

	P = 2		ALPHA = .010							
N	R	0	1	2	3	4	5	7	10	15
5	.9993	.9886	.9662	.9374	.9079	.8891	.8946	.9156	.9368	
6	.9994	.9899	.9700	.9438	.9149	.8876	.8698	.8920	.9182	
7	.9994	.9910	.9730	.9491	.9223	.8946	.8552	.8685	.8994	
8	.9995	.9918	.975	.9535	.9286	.9026	.8540	.8460	.8805	
9	.9995	.9926	.9774	.9572	.9340	.9095	.8604	.8274	.8617	
10	.9996	.9932	.9791	.9603	.9387	.9156	.8685	.8169	.8434	
12	.9996	.9941	.9820	.9654	.9462	.9256	.8828	.8214	.8081	
14	.9997	.9948	.9841	.9693	.9521	.9335	.8944	.8363	.7800	
16	.9997	.9954	.9857	.9724	.9568	.9398	.9039	.8497	.7728	
18	.9998	.9958	.9871	.9749	.9607	.9450	.9118	.8612	.7828	
20	.9998	.9962	.9882	.9770	.9639	.9494	.9185	.8710	.7959	
25	.9998	.9969	.9903	.9810	.9701	.9579	.9315	.8903	.8234	
30	.9998	.9974	.9918	.9838	.9744	.9638	.9409	.9045	.8444	
35	.9998	.9977	.9928	.9859	.9776	.9684	.9481	.9155	.8608	
40	.9999	.9980	.9936	.9875	.9802	.9719	.9536	.9241	.8742	
45	.9999	.9982	.9943	.9888	.9822	.9747	.9582	.9312	.8851	
50	.9999	.9984	.9948	.9898	.9838	.9770	.9617	.9371	.8944	

TABLE II (Continued)

		P = 3			ALPHA = .100					
N	R	0	1	2	3	4	5	7	10	15
5	.9956	.9749	.9455	.9132	.8850	.8687	.8706	.8934	.9186	
6	.9961	.9776	.9508	.9207	.8905	.8654	.8484	.8690	.8990	
7	.9965	.9796	.9552	.9273	.8984	.8706	.8360	.8455	.8794	
8	.9968	.9814	.9589	.9330	.9058	.8786	.8335	.8244	.8600	
9	.9971	.9829	.9620	.9379	.9123	.8864	.8380	.8084	.8410	
10	.9973	.9842	.9647	.9420	.9180	.8934	.8455	.7996	.8225	
12	.9977	.9862	.9690	.9489	.9274	.9052	.8609	.8014	.7883	
14	.9980	.9878	.9724	.9544	.9348	.9146	.8737	.8152	.7641	
16	.9981	.9890	.9752	.9588	.9409	.9223	.8845	.8294	.7572	
18	.9983	.9908	.9774	.9624	.9459	.9287	.8935	.8417	.7647	
20	.9985	.9909	.9793	.9654	.9502	.9341	.9012	.8523	.7773	
25	.9987	.9925	.9828	.9712	.9583	.9447	.9164	.8735	.8050	
30	.9989	.9936	.9853	.9753	.9641	.9523	.9275	.8894	.8283	
35	.9991	.9944	.9872	.9784	.9686	.9581	.9359	.9017	.8459	
40	.9992	.9951	.9887	.9808	.9720	.9626	.9427	.9115	.8602	
45	.9993	.9956	.9898	.9828	.9748	.9663	.9481	.9196	.8721	
50	.9994	.9960	.9908	.9843	.9771	.9593	.9526	.9263	.8821	

		P = 3			ALPHA = .050					
N	R	0	1	2	3	4	5	7	10	15
5	.9979	.9832	.9591	.9307	.9041	.8878	.8903	.9102	.9316	
6	.9981	.9849	.9631	.9370	.9095	.8851	.8683	.8876	.9135	
7	.9983	.9863	.9665	.9424	.9163	.8903	.8556	.8652	.8952	
8	.9984	.9875	.9692	.9469	.9226	.8975	.8534	.8445	.8769	
9	.9985	.9885	.9716	.9508	.9279	.9042	.8581	.8280	.8589	
10	.9987	.9893	.9736	.9541	.9326	.9102	.8652	.8188	.8411	
12	.9988	.9907	.9768	.9596	.9404	.9202	.8790	.8211	.8076	
14	.9990	.9917	.9794	.9639	.9466	.9281	.8903	.8345	.7823	
16	.9991	.9927	.9815	.9674	.9515	.9347	.8996	.8474	.7753	
18	.9992	.9933	.9831	.9702	.9556	.9401	.9076	.8585	.7832	
20	.9993	.9939	.9845	.9725	.9591	.9447	.9143	.8680	.7955	
25	.9994	.9950	.9871	.9772	.9659	.9536	.9275	.8872	.8222	
30	.9995	.9957	.9890	.9805	.9707	.9601	.9372	.9014	.8427	
35	.9996	.9962	.9904	.9829	.9743	.9649	.9446	.9125	.8590	
40	.9996	.9967	.9915	.9848	.9771	.9687	.9504	.9212	.8722	
45	.9997	.9970	.9924	.9864	.9794	.9717	.9551	.9285	.8831	
50	.9997	.9973	.9931	.9876	.9813	.9743	.9590	.9344	.8923	

TABLE II (Continued)

	P = .3					ALPHA = .025				
N	R	0	1	2	3	4	5	7	10	15
5	.9989	.9884	.9688	.9441	.9192	.9034	.9060	.9234	.9417	
6	.9991	.9897	.9719	.9492	.9242	.9010	.8846	.9023	.9250	
7	.9992	.9906	.9744	.9535	.9301	.9060	.8718	.8812	.9079	
8	.9992	.9915	.9765	.9572	.9354	.9124	.8698	.8811	.8907	
9	.9993	.9922	.9784	.9604	.9400	.9182	.8746	.8445	.8735	
10	.9994	.9927	.9799	.9630	.9439	.9234	.8812	.8351	.8565	
12	.9994	.9937	.9824	.9675	.9503	.9320	.8935	.8376	.8238	
14	.9995	.9944	.9843	.9710	.9555	.9388	.9035	.8504	.7981	
16	.9995	.9950	.9859	.9738	.9597	.9444	.9118	.8622	.7908	
18	.9996	.9955	.9872	.9761	.9632	.9490	.9189	.8723	.7990	
20	.9996	.9958	.9883	.9780	.9660	.9530	.9248	.8810	.8107	
25	.9997	.9966	.9903	.9817	.9716	.9605	.9364	.8983	.8357	
30	.9997	.9970	.9917	.9843	.9757	.9660	.9449	.9112	.8548	
35	.9998	.9975	.9928	.9863	.9777	.9702	.9514	.9212	.8699	
40	.9998	.9977	.9936	.9878	.9810	.9734	.9566	.9292	.8822	
45	.9998	.9980	.9942	.9890	.9829	.9760	.9607	.9356	.8923	
50	.9998	.9981	.9948	.9901	.9845	.9781	.9641	.9411	.9008	

	P = .3					ALPHA = .010				
N	R	0	1	2	3	4	5	7	10	15
5	.9996	.9929	.9778	.9773	.9350	.9198	.9225	.9371	.9523	
6	.9996	.9936	.9800	.9612	.9394	.9179	.9022	.9180	.9371	
7	.9997	.9942	.9819	.9646	.9443	.9225	.8895	.8985	.9215	
8	.9997	.9947	.9834	.9673	.9485	.9260	.8879	.8793	.9054	
9	.9997	.9952	.9847	.9698	.9522	.9329	.8926	.8629	.8894	
10	.9997	.9958	.9857	.9719	.9553	.9371	.8985	.8532	.8733	
12	.9998	.9961	.9875	.9752	.9605	.9442	.9091	.8561	.8420	
14	.9998	.9966	.9889	.9779	.9646	.9498	.9177	.8678	.8161	
16	.9998	.9969	.9900	.9830	.9679	.9544	.9248	.8783	.8086	
18	.9998	.9972	.9909	.9815	.9707	.9582	.9309	.8874	.8169	
20	.9999	.9974	.9917	.9833	.9738	.9614	.9360	.8951	.8279	
25	.9999	.9979	.9931	.9861	.9775	.9677	.9459	.9107	.8508	
30	.9999	.9982	.9941	.9881	.9807	.9722	.9531	.9217	.8682	
35	.9999	.9984	.9948	.9896	.9831	.9756	.9587	.9301	.8820	
40	.9999	.9986	.9954	.9908	.9849	.9782	.9631	.9378	.8932	
45	.9999	.9987	.9959	.9917	.9864	.9804	.9666	.9435	.9024	
50	.9999	.9989	.9963	.9925	.9877	.9822	.9695	.9482	.9102	

TABLE II (Continued)

		$P = 4$				ALPHA = .100				
N	R	0	1	2	3	4	5	7	10	15
5	.9971	.9826	.9608	.9360	.9132	.8992	.8993	.9162	.9352	
6	.9973	.9842	.9644	.9411	.9168	.8958	.8802	.8955	.9185	
7	.9976	.9856	.9673	.9456	.9223	.8993	.8690	.8752	.9017	
8	.9978	.9867	.9698	.9496	.9277	.9052	.8662	.8565	.8848	
9	.9980	.9877	.9720	.9530	.9324	.9110	.8694	.8420	.8680	
10	.9981	.9886	.9738	.9560	.9366	.9162	.8752	.8336	.8515	
12	.9984	.9900	.9768	.9610	.9435	.9250	.8872	.8342	.8203	
14	.9986	.9910	.9793	.9649	.9490	.9322	.8973	.8455	.7973	
16	.9987	.9919	.9812	.9691	.9535	.9380	.9057	.8571	.7902	
18	.9988	.9926	.9828	.9708	.9574	.9430	.9129	.8672	.7965	
20	.9989	.9932	.9842	.9731	.9606	.9472	.9190	.8759	.8073	
25	.9991	.9944	.9868	.9774	.9668	.9554	.9311	.8933	.8319	
30	.9992	.9951	.9887	.9806	.9714	.9614	.9401	.9065	.8509	
35	.9993	.9958	.9901	.9830	.9748	.9660	.9469	.9167	.8661	
40	.9994	.9961	.9912	.9848	.9776	.9696	.9524	.9250	.8784	
45	.9995	.9966	.9921	.9853	.9797	.9725	.9569	.9317	.8886	
50	.9995	.9969	.9928	.9876	.9815	.9749	.9605	.9373	.8973	

		$P = 4$				ALPHA = .050				
N	R	0	1	2	3	4	5	7	10	15
5	.9985	.9883	.9706	.9491	.9277	.9141	.9148	.9295	.9456	
6	.9987	.9894	.9733	.9532	.9313	.9112	.8961	.9104	.9303	
7	.9988	.9903	.9755	.9569	.9362	.9148	.8848	.8913	.9146	
8	.9989	.9911	.9774	.9601	.9406	.9201	.8824	.8731	.8988	
9	.9990	.9917	.9790	.9627	.9445	.9250	.8859	.8584	.8829	
10	.9991	.9924	.9804	.9652	.9479	.9295	.8913	.8497	.8672	
12	.9992	.9933	.9827	.9691	.9536	.9370	.9020	.8509	.8368	
14	.9993	.9940	.9845	.9722	.9531	.9430	.9108	.8617	.8132	
16	.9994	.9946	.9859	.9748	.9619	.9479	.9182	.8722	.8060	
18	.9994	.9951	.9871	.9770	.9651	.9521	.9244	.8813	.8127	
20	.9995	.9954	.9882	.9787	.9677	.9556	.9297	.8891	.8231	
25	.9996	.9962	.9901	.9822	.9729	.9626	.9403	.9048	.8459	
30	.9996	.9968	.9916	.9847	.9766	.9676	.9481	.9167	.8635	
35	.9997	.9972	.9926	.9865	.9794	.9715	.9540	.9258	.8774	
40	.9997	.9975	.9934	.9880	.9817	.9745	.9588	.9332	.8888	
45	.9997	.9977	.9941	.9892	.9834	.9770	.9627	.9392	.8782	
50	.9997	.9979	.9946	.9901	.9849	.9790	.9659	.9442	.9061	

TABLE II (Continued)

	P = 4				ALPHA = .025					
N	R	0	1	2	3	4	5	7	10	15
5	.9993	.9920	.9776	.9589	.9392	.9261	.9272	.9398	.9536	
6	.9994	.9926	.9796	.9623	.9426	.9236	.9091	.9223	.9396	
7	.9994	.9934	.9814	.9633	.9468	.9272	.8979	.9043	.9250	
8	.9995	.9939	.9828	.9679	.9505	.9318	.8957	.8869	.9101	
9	.9995	.9944	.9840	.9701	.9539	.9361	.8993	.8721	.8951	
10	.9995	.9947	.9851	.9720	.9566	.9398	.9043	.8833	.8800	
12	.9996	.9954	.9868	.9751	.9614	.9463	.9138	.8848	.8507	
14	.9997	.9959	.9882	.9777	.9652	.9514	.9216	.8751	.8268	
16	.9997	.9963	.9893	.9798	.9684	.9557	.9281	.8847	.8195	
18	.9997	.9966	.9903	.9815	.9710	.9593	.9336	.8929	.8264	
20	.9997	.9969	.9910	.9829	.9732	.9623	.9383	.9000	.8363	
25	.9998	.9974	.9925	.9857	.9774	.9682	.9477	.9143	.8576	
30	.9998	.9978	.9936	.9877	.9806	.9725	.9545	.9249	.8739	
35	.9998	.9981	.9944	.9892	.9829	.9758	.9597	.9332	.8869	
40	.9998	.9983	.9950	.9904	.9848	.9784	.9640	.9398	.8974	
45	.9998	.9984	.9955	.9914	.9862	.9804	.9673	.9453	.9062	
50	.9999	.9986	.9959	.9921	.9875	.9821	.9701	.9499	.9135	

	P = 4				ALPHA = .010					
N	R	0	1	2	3	4	5	7	10	15
5	.9997	.9951	.9841	.9686	.9511	.9388	.9400	.9507	.9620	
6	.9998	.9955	.9856	.9713	.9542	.9368	.9231	.9348	.9494	
7	.9998	.9959	.9868	.9736	.9576	.9400	.9122	.9182	.9361	
8	.9998	.9963	.9878	.9755	.9606	.9440	.9103	.9018	.9223	
9	.9998	.9965	.9887	.9772	.9632	.9475	.9138	.8873	.9083	
10	.9998	.9968	.9894	.9787	.9655	.9507	.9182	.8785	.8942	
12	.9998	.9972	.9907	.9811	.9693	.9559	.9264	.8803	.8661	
14	.9998	.9975	.9916	.9830	.9724	.9602	.9331	.8897	.8423	
16	.9999	.9977	.9924	.9846	.9748	.9637	.9387	.8983	.8350	
18	.9999	.9979	.9931	.9859	.9769	.9666	.9435	.9056	.8419	
20	.9999	.9981	.9936	.9870	.9787	.9691	.9475	.9119	.8512	
25	.9999	.9984	.9947	.9891	.9821	.9740	.9555	.9245	.8707	
30	.9999	.9986	.9954	.9906	.9846	.9775	.9613	.9340	.8856	
35	.9999	.9988	.9960	.9918	.9864	.9802	.9658	.9413	.8974	
40	.9999	.9989	.9964	.9927	.9879	.9823	.9693	.9471	.9070	
45	1.0000	.9991	.9968	.9934	.9891	.9840	.9722	.9520	.9149	
50	1.0000	.9992	.9971	.9940	.9900	.9854	.9746	.9559	.9217	

TABLE II (Continued)

	P = .5					ALPHA = .100				
N	R	0	1	2	3	4	5	7	10	15
5	.9979	.9871	.9704	.9506	.9319	.9199	.9190	.9319	.9467	
6	.9981	.9883	.9728	.9542	.9343	.9166	.9025	.9142	.9324	
7	.9983	.9892	.9749	.9575	.9384	.9190	.8924	.8963	.9177	
8	.9984	.9900	.9767	.9604	.9424	.9234	.8896	.8800	.9020	
9	.9985	.9906	.9782	.9629	.9459	.9279	.8919	.8668	.8879	
10	.9986	.9912	.9796	.9652	.9491	.9319	.8965	.8589	.8730	
12	.9987	.9923	.9818	.9689	.9543	.9388	.9060	.8587	.8446	
14	.9989	.9930	.9836	.9719	.9586	.9443	.9142	.8681	.8230	
16	.9990	.9937	.9851	.9743	.9621	.9489	.9210	.8777	.8199	
18	.9991	.9942	.9864	.9764	.9651	.9529	.9268	.8861	.8211	
20	.9992	.9947	.9874	.9782	.9677	.9563	.9318	.8933	.8305	
25	.9993	.9956	.9894	.9817	.9727	.9629	.9417	.9081	.8518	
30	.9994	.9962	.9909	.9842	.9763	.9678	.9491	.9192	.8684	
35	.9995	.9967	.9920	.9861	.9792	.9715	.9549	.9279	.8816	
40	.9995	.9970	.9928	.9875	.9814	.9745	.9594	.9349	.8924	
45	.9995	.9973	.9936	.9887	.9831	.9769	.9632	.9407	.9013	
50	.9996	.9975	.9941	.9897	.9846	.9789	.9663	.9455	.9089	

	P = .5					ALPHA = .050				
N	R	0	1	2	3	4	5	7	10	15
5	.9990	.9913	.9778	.9607	.9433	.9319	.9316	.9427	.9553	
6	.9991	.9921	.9797	.9637	.9458	.9290	.9156	.9265	.9422	
7	.9991	.9928	.9812	.9664	.9494	.9316	.9056	.9099	.9286	
8	.9992	.9933	.9826	.9687	.9527	.9355	.9031	.8939	.9146	
9	.9993	.9938	.9837	.9707	.9556	.9393	.9056	.8807	.9006	
10	.9993	.9942	.9847	.9724	.9582	.9427	.9099	.8727	.8865	
12	.9994	.9948	.9864	.9754	.9626	.9485	.9184	.8730	.8590	
14	.9995	.9953	.9877	.9778	.9661	.9532	.9255	.8820	.8370	
16	.9995	.9958	.9888	.9797	.9690	.9571	.9314	.8907	.8298	
18	.9996	.9961	.9898	.9814	.9715	.9605	.9365	.8982	.8355	
20	.9996	.9964	.9905	.9827	.9736	.9633	.9409	.9046	.8445	
25	.9997	.9970	.9921	.9855	.9777	.9689	.9495	.9180	.8642	
30	.9997	.9974	.9932	.9874	.9807	.9730	.9560	.9280	.8794	
35	.9997	.9977	.9940	.9889	.9829	.9761	.9609	.9357	.8916	
40	.9998	.9980	.9947	.9902	.9847	.9786	.9649	.9420	.9015	
45	.9998	.9982	.9952	.9911	.9862	.9806	.9681	.9472	.9098	
50	.9998	.9983	.9956	.9919	.9874	.9823	.9709	.9515	.9167	

TABLE II (Continued)

	P = .5					ALPHA = .025				
N	R	0	1	2	3	4	5	7	10	15
5	.9995	.9940	.9831	.9684	.9524	.9414	.9416	.9512	.9619	
6	.9995	.9946	.9845	.9708	.9548	.9390	.9262	.9362	.9499	
7	.9996	.9950	.9857	.9729	.9579	.9416	.9164	.9208	.9373	
8	.9996	.9954	.9867	.9748	.9607	.9450	.9142	.9055	.9242	
9	.9997	.9957	.9876	.9764	.9631	.9483	.9168	.8924	.9110	
10	.9997	.9960	.9884	.9778	.9652	.9512	.9208	.8843	.8976	
12	.9997	.9964	.9897	.9802	.9688	.9561	.9283	.8850	.8711	
14	.9997	.9968	.9907	.9821	.9718	.9602	.9345	.8935	.8490	
16	.9998	.9971	.9915	.9837	.9742	.9635	.9398	.9014	.8418	
28	.9998	.9973	.9922	.9850	.9763	.9663	.9442	.9082	.8476	
20	.9998	.9976	.9928	.9862	.9780	.9680	.9481	.9142	.8562	
25	.9998	.9980	.9940	.9884	.9814	.9735	.9557	.9261	.8745	
30	.9998	.9983	.9948	.9900	.9839	.9770	.9614	.9351	.8887	
35	.9998	.9984	.9955	.9911	.9858	.9797	.9658	.9422	.8999	
40	.9999	.9986	.9959	.9921	.9873	.9818	.9693	.9478	.9091	
45	.9999	.9987	.9964	.9929	.9886	.9836	.9721	.9525	.9168	
50	.9999	.9989	.9967	.9935	.9895	.9850	.9745	.9564	.9232	

	P = .5					ALPHA = .010				
N	R	0	1	2	3	4	5	7	10	15
5	.9998	.9964	.9880	.9758	.9618	.9515	.9519	.9600	.9688	
6	.9998	.9967	.9890	.9777	.9640	.9496	.9376	.9465	.9580	
7	.9998	.9970	.9899	.9794	.9665	.9519	.9281	.9324	.9466	
8	.9998	.9972	.9906	.9808	.9587	.9549	.9263	.9181	.9346	
9	.9998	.9974	.9912	.9821	.9706	.9576	.9289	.9053	.9222	
10	.9998	.9975	.9918	.9831	.9723	.9600	.9324	.8973	.9097	
12	.9999	.9978	.9927	.9849	.9752	.9641	.9388	.8983	.8844	
14	.9999	.9980	.9934	.9864	.9776	.9674	.9442	.9060	.8626	
16	.9999	.9982	.9940	.9876	.9795	.9701	.9487	.9130	.8554	
18	.9999	.9984	.9945	.9886	.9811	.9724	.9525	.9191	.8614	
20	.9999	.9985	.9949	.9895	.9825	.9744	.9558	.924	.8693	
25	.9999	.9987	.9957	.9911	.9852	.9784	.9623	.9350	.8861	
30	.9999	.9989	.9963	.9924	.9872	.9812	.9671	.9429	.8990	
35	1.0000	.9990	.9968	.9933	.9887	.9834	.9709	.9492	.9093	
40	1.0000	.9992	.9971	.9940	.9899	.9852	.9738	.9541	.9177	
45	1.0000	.9992	.9974	.9946	.9909	.9866	.9762	.9582	.9246	
50	1.0000	.9993	.9976	.9950	.9917	.9877	.9783	.9616	.9304	

TABLE II (Continued)

	P = .6					ALPHA = .100				
N	R	0	1	2	3	4	5	7	10	15
5	.9984	.9900	.9767	.9606	.9450	.9347	.9333	.9433	.9552	
6	.9986	.9908	.9785	.9633	.9467	.9315	.9189	.9280	.9427	
7	.9986	.9915	.9800	.9658	.9498	.9333	.9099	.9125	.9298	
8	.9987	.9921	.9814	.9679	.9529	.9367	.9071	.8978	.9165	
9	.9988	.9926	.9825	.9699	.9555	.9402	.9088	.8858	.9032	
10	.9989	.9931	.9836	.9716	.9580	.9433	.9125	.8785	.8898	
12	.9991	.9938	.9853	.9745	.9621	.9488	.9203	.8778	.8637	
14	.9991	.9944	.9867	.9768	.9655	.9533	.9268	.8856	.8435	
16	.9992	.9949	.9878	.9788	.9684	.9570	.9325	.8937	.8366	
18	.9993	.9953	.9888	.	.9708	.9602	.9373	.9008	.8410	
20	.9993	.9957	.9896	.	.9729	.9630	.9414	.9070	.8492	
25	.9994	.9961	.9912	.	.9770	.9684	.9497	.9195	.8678	
30	.9995	.9969	.9924	.9867	.9799	.9725	.9560	.9290	.8824	
35	.9995	.9972	.9933	.9883	.9823	.9756	.9608	.9366	.8940	
40	.9996	.9975	.9940	.9895	.9841	.9781	.9648	.9427	.9035	
45	.9997	.9978	.9946	.9904	.9856	.9801	.9679	.9477	.9115	
50	.9997	.9980	.9951	.9913	.9868	.9818	.9706	.9519	.9182	

	P = .6					ALPHA = .050				
N	R	0	1	2	3	4	5	7	10	15
5	.9992	.9933	.9826	.9688	.9544	.9445	.9437	.9524	.9624	
6	.9993	.9939	.9839	.9709	.9561	.9418	.9298	.9383	.9510	
7	.9993	.9943	.9851	.9729	.9588	.9437	.9210	.9239	.9390	
8	.9994	.9947	.9860	.9746	.9613	.9467	.9185	.9098	.9268	
9	.9994	.9951	.9863	.9761	.9636	.9497	.9205	.8978	.9142	
10	.9995	.9953	.9877	.9775	.9656	.9524	.9239	.8905	.9015	
12	.9995	.9958	.9890	.9798	.9690	.9569	.9307	.8902	.8765	
14	.9996	.9962	.9900	.9817	.9718	.9608	.9365	.8978	.8560	
16	.9996	.9966	.9909	.9832	.9741	.9639	.9414	.9050	.8490	
18	.9997	.9968	.9917	.9845	.9761	.9666	.9456	.9114	.8538	
20	.9997	.9971	.9923	.9856	.9778	.9689	.9492	.9170	.8617	
25	.9997	.9975	.9934	.9878	.9811	.9735	.9565	.9282	.8789	
30	.9997	.9979	.9943	.9895	.9836	.9769	.9619	.9367	.8923	
35	.9998	.9981	.9950	.9908	.9855	.9795	.9661	.9435	.9029	
40	.9998	.9983	.9955	.9917	.9870	.9816	.9695	.9489	.9117	
45	.9998	.9985	.9960	.9925	.9882	.9833	.9723	.9574	.9140	
50	.9998	.9986	.9963	.9932	.9892	.9847	.9746	.9571	.9252	

TABLE II (Continued)

	P = .6						ALPHA = .025			
N	R	0	1	2	3	4	5	7	10	15
5	.9996	.9955	.9867	.9748	.9616	.9523	.9519	.9594	.9680	
6	.9997	.9958	.9878	.9766	.9633	.9500	.9387	.9456	.9576	
7	.9997	.9961	.9886	.9782	.9657	.9519	.9300	.9331	.9465	
8	.9997	.9964	.9894	.9796	.9678	.9546	.9279	.9196	.9350	
9	.9997	.9966	.9901	.9809	.9697	.9572	.9299	.9079	.9232	
10	.9997	.9968	.9906	.9820	.9713	.9594	.9331	.9005	.9112	
12	.9998	.9972	.9916	.9838	.9742	.9633	.9392	.9007	.8871	
14	.9998	.9974	.9924	.9853	.9765	.9666	.9443	.9077	.8667	
16	.9998	.9977	.9931	.9865	.9785	.9693	.9486	.9143	.8597	
18	.9998	.9978	.9936	.9876	.9801	.9716	.9522	.9201	.8647	
20	.9998	.9980	.9941	.9885	.9815	.9735	.9555	.9251	.8722	
25	.9998	.9983	.9950	.9903	.9843	.9775	.9618	.9353	.8882	
30	.9999	.9986	.9957	.9915	.9864	.9804	.9666	.9430	.9005	
35	.9999	.9987	.9962	.9925	.9879	.9826	.9703	.9491	.9104	
40	.9999	.9989	.9966	.9933	.9892	.9844	.9733	.9540	.9185	
45	.9999	.9990	.9969	.9939	.9902	.9859	.9757	.9580	.9253	
50	.9999	.9991	.9972	.9945	.9911	.9870	.9778	.9615	.9311	

	P = .6						ALPHA = .010			
N	R	0	1	2	3	4	5	7	10	15
5	.9998	.9972	.9906	.9808	.9693	.9605	.9605	.9668	.9738	
6	.9998	.9974	.9913	.9822	.9708	.9587	.9483	.9552	.9645	
7	.9998	.9976	.9919	.9834	.9727	.9605	.9399	.9430	.9545	
8	.9999	.9978	.9925	.9845	.9744	.9628	.9380	.9304	.9439	
9	.9999	.9979	.9930	.9854	.9759	.9649	.9401	.9190	.9329	
10	.9999	.9980	.9934	.9852	.9772	.9668	.9430	.9117	.9217	
12	.9999	.9982	.9940	.9876	.9795	.9700	.9482	.9122	.8989	
14	.9999	.9984	.9946	.9888	.9813	.9726	.9525	.9186	.8787	
16	.9999	.9985	.9951	.9897	.9829	.9749	.9562	.9245	.8718	
18	.9999	.9987	.9955	.9906	.9842	.9768	.9594	.9296	.8769	
20	.9999	.9988	.9958	.9912	.9853	.9784	.9621	.9341	.8838	
25	1.0000	.9990	.9965	.9926	.9875	.9816	.9675	.9431	.8914	
30	1.0000	.9991	.9970	.9936	.9892	.9840	.9716	.9499	.9097	
35	1.0000	.9992	.9973	.9943	.9904	.9858	.9747	.9552	.9188	
40	1.0000	.9993	.9976	.9949	.9914	.9872	.9773	.9595	.9261	
45	1.0000	.9994	.9978	.9954	.9923	.9885	.9794	.9632	.9323	
50	1.0000	.9994	.9980	.9958	.9929	.9894	.9810	.9661	.9375	

TABLE II (Continued)

		P = .7									ALPHA = .100				
	R	0	1	2	3	4	5	7	10	15					
N	5	.9987	.9920	.9812	.9679	.9546	.9456	.9440	.9520	.9616					
	6	.9989	.9926	.9825	.9698	.9558	.9427	.9314	.9386	.9507					
	7	.9989	.9931	.9837	.9718	.9582	.9440	.9233	.9248	.9392					
	8	.9990	.9936	.9847	.9735	.9606	.9467	.9206	.9117	.9273					
	9	.9991	.9940	.9856	.9749	.9627	.9494	.9219	.9008	.9153					
	10	.9991	.9943	.9864	.9763	.9647	.9520	.9248	.8941	.9032					
	12	.9992	.9949	.9878	.9785	.9680	.9564	.9312	.8930	.8793					
	14	.9993	.9954	.9889	.9805	.9708	.9601	.9367	.8905	.8604					
	16	.9994	.9958	.9898	.9821	.9731	.9632	.9414	.9065	.8536					
	18	.9994	.9961	.9906	.9834	.9751	.9658	.9455	.9126	.8574					
	20	.9994	.9964	.9912	.9846	.9768	.9681	.9489	.9179	.8647					
	25	.9995	.9969	.9926	.9858	.9801	.9727	.9560	.9287	.8810					
	30	.9996	.9973	.9936	.9886	.9827	.9761	.9614	.9370	.8938					
	35	.9997	.9977	.9943	.9899	.9846	.9787	.9655	.9435	.9042					
	40	.9997	.9979	.9949	.9909	.9862	.9809	.9690	.9488	.9127					
	45	.9997	.9981	.9954	.9917	.9875	.9826	.9717	.9532	.9198					
	50	.9997	.9983	.9958	.9925	.9885	.9841	.9740	.9569	.9258					

		P = .7									ALPHA = .050				
	R	0	1	2	3	4	5	7	10	15					
N	5	.9994	.9947	.9859	.9745	.9623	.9539	.9527	.9597	.9678					
	6	.9994	.9951	.9869	.9762	.9636	.9513	.9406	.9475	.9578					
	7	.9995	.9954	.9878	.9777	.9657	.9527	.9327	.9347	.9472					
	8	.9995	.9957	.9885	.9790	.9677	.9552	.9304	.9221	.9363					
	9	.9996	.9960	.9892	.9802	.9694	.9576	.9319	.9113	.9249					
	10	.9996	.9962	.9898	.9813	.9710	.9597	.9347	.9046	.9135					
	12	.9996	.9966	.9908	.9831	.9738	.9634	.9404	.9040	.8906					
	14	.9997	.9969	.9917	.9846	.9761	.9665	.9451	.9103	.8716					
	16	.9997	.9972	.9924	.9858	.9780	.9691	.9492	.9165	.8649					
	18	.9997	.9974	.9930	.9869	.9796	.9713	.9527	.9219	.8690					
	20	.9997	.9976	.9935	.9878	.9810	.9733	.9558	.9267	.8759					
	25	.9998	.9979	.9944	.9897	.9838	.9771	.9619	.9364	.8910					
	30	.9998	.9982	.9952	.9910	.9858	.9799	.9665	.9438	.9029					
	35	.9998	.9984	.9957	.9920	.9874	.9822	.9702	.9497	.9123					
	40	.9998	.9986	.9962	.9929	.9887	.9840	.9731	.9544	.9201					
	45	.9998	.9987	.9966	.9935	.9898	.9855	.9755	.9584	.9266					
	50	.9999	.9988	.9969	.9941	.9906	.9867	.9775	.9617	.9321					

TABLE II (Continued)

	P = .7					ALPHA = .025				
R	0	1	2	3	4	5	7	10	15	
5	.9997	.9964	.9893	.9795	.9684	.9604	.9597	.9657	.9726	
7	.9997	.9966	.9901	.9608	.9697	.9582	.9482	.9545	.9635	
11	.9997	.9969	.9908	.9820	.9715	.9597	.9405	.9427	.9537	
13	.9998	.9970	.9913	.9831	.9731	.9618	.9384	.9307	.9435	
17	.9998	.9972	.9918	.9841	.9746	.9638	.9400	.9201	.9328	
21	.9998	.9974	.9923	.9850	.9759	.9657	.9427	.9134	.9220	
25	.9998	.9977	.9931	.9864	.9782	.9688	.9476	.9131	.9001	
30	.9998	.9979	.9937	.9876	.9801	.9715	.9519	.9191	.8811	
35	.9998	.9981	.9942	.9886	.9817	.9737	.9554	.9247	.8744	
40	.9998	.9982	.9947	.9895	.9831	.9756	.9585	.9297	.8788	
45	.9998	.9983	.9950	.9902	.9842	.9773	.9612	.9339	.8853	
50	.9999	.9986	.9958	.9917	.9865	.9805	.9666	.9427	.8993	
55	.9999	.9988	.9963	.9928	.9883	.9829	.9707	.9494	.9103	
60	.9999	.9989	.9967	.9936	.9896	.9849	.9739	.9547	.9191	
65	.9999	.9991	.9971	.9942	.9906	.9864	.9765	.9590	.9263	
70	.9999	.9991	.9973	.9948	.9915	.9876	.9785	.9626	.9323	
75	.9999	.9992	.9976	.9952	.9922	.9887	.9803	.9655	.9375	

	P = .7					ALPHA = .010				
R	0	1	2	3	4	5	7	10	15	
5	.9999	.9978	.9924	.9843	.9747	.9672	.9669	.9719	.9776	
6	.9999	.9979	.9930	.9854	.9758	.9655	.9563	.9618	.9694	
7	.9999	.9980	.9934	.9853	.9773	.9669	.9489	.9511	.9606	
8	.9999	.9982	.9938	.9871	.9787	.9687	.9472	.9400	.9512	
9	.9999	.9983	.9942	.9879	.9798	.9704	.9488	.9298	.9414	
10	.9999	.9984	.9945	.9885	.9809	.9719	.9511	.9231	.9312	
12	.9999	.9985	.9951	.9896	.9827	.9745	.9554	.9232	.9106	
14	.9999	.9987	.9955	.9906	.9842	.9767	.9590	.9287	.8920	
16	.9999	.9988	.9959	.9914	.9854	.9785	.9620	.9337	.8854	
18	.9999	.9989	.9962	.9920	.9865	.9801	.9647	.9380	.8897	
20	1.0000	.9990	.9965	.9926	.9874	.9814	.9670	.9418	.8958	
25	1.0000	.9991	.9970	.9937	.9893	.9841	.9716	.9496	.9086	
30	1.0000	.9993	.9974	.9945	.9906	.9861	.9750	.9555	.9186	
35	1.0000	.9993	.9977	.9951	.9917	.9877	.9778	.9602	.9266	
40	1.0000	.9994	.9979	.9956	.9926	.9889	.9799	.9640	.9332	
45	1.0000	.9995	.9981	.9960	.9933	.9899	.9818	.9671	.9387	
50	1.0000	.9995	.9983	.9963	.9938	.9907	.9833	.9697	.9434	

TABLE II (Continued)

	P = .8					ALPHA = .100				
N	R	0	1	2	3	4	5	7	10	15
5	.9990	.9935	.9845	.9732	.9618	.9540	.9522	.9587	.9668	
6	.9991	.9939	.9855	.9748	.9627	.9513	.9411	.9469	.9569	
7	.9991	.9944	.9864	.9763	.9646	.9522	.9338	.9347	.9467	
8	.9992	.9947	.9872	.9776	.9665	.9544	.9313	.9228	.9361	
9	.9992	.9950	.9879	.9789	.9682	.9566	.9322	.9129	.9251	
10	.9993	.9953	.9886	.9799	.9698	.9587	.9347	.9067	.9141	
12	.9994	.9957	.9897	.9818	.9726	.9624	.9400	.9054	.8922	
14	.9994	.9961	.9906	.9833	.9748	.9654	.9446	.9110	.8745	
16	.9995	.9964	.9913	.9846	.9767	.9680	.9486	.9170	.8680	
18	.9995	.9967	.9919	.9857	.9784	.9702	.9520	.9221	.8712	
20	.9995	.9969	.9925	.9867	.9798	.9721	.9550	.9268	.8775	
25	.9996	.9974	.9936	.9885	.9827	.9760	.9611	.9362	.8921	
30	.9997	.9977	.9944	.9900	.9848	.9790	.9657	.9435	.9035	
35	.9997	.9980	.9950	.9912	.9865	.9812	.9694	.9492	.9128	
40	.9997	.9982	.9956	.9920	.9879	.9831	.9723	.9539	.9204	
45	.9997	.9984	.9959	.9928	.9890	.9846	.9748	.9579	.9263	
50	.9998	.9985	.9963	.9934	.9899	.9859	.9768	.9612	.9322	

	P = .8					ALPHA = .050				
N	R	0	1	2	3	4	5	7	10	15
5	.9995	.9956	.9884	.9787	.9684	.9610	.9597	.9653	.9721	
6	.9996	.9959	.9891	.9800	.9693	.9587	.9491	.9546	.9632	
7	.9996	.9962	.9898	.9812	.9710	.9597	.9420	.9433	.9538	
8	.9996	.9964	.9904	.9823	.9726	.9617	.9398	.9320	.9439	
9	.9996	.9966	.9909	.9832	.9740	.9636	.9410	.9223	.9337	
10	.9997	.9968	.9915	.9841	.9753	.9653	.9433	.9159	.9233	
12	.9997	.9971	.9923	.9856	.9776	.9684	.9480	.9151	.9023	
14	.9997	.9974	.9929	.9868	.9794	.9709	.9520	.9206	.8846	
16	.9997	.9976	.9935	.9878	.9810	.9732	.9555	.9259	.8781	
18	.9998	.9977	.9940	.9887	.9823	.9750	.9584	.9305	.8817	
20	.9998	.9979	.9944	.9895	.9835	.9766	.9610	.9346	.8877	
25	.9998	.9982	.9952	.9910	.9858	.9799	.9663	.9431	.9011	
30	.9998	.9984	.9958	.9922	.9876	.9823	.9704	.9496	.9117	
35	.9998	.9986	.9963	.9931	.9890	.9843	.9735	.9548	.9201	
40	.9998	.9988	.9967	.9937	.9901	.9859	.9760	.9590	.9272	
45	.9999	.9989	.9970	.9943	.9910	.9871	.9781	.9625	.9330	
50	.9999	.9990	.9973	.9948	.9917	.9882	.9799	.9654	.9380	

TABLE II (Continued)

	P = .8					ALPHA = .025				
N	R	0	1	2	3	4	5	7	10	15
5	.9998	.9970	.9912	.9829	.9735	.9665	.9656	.9705	.9763	
6	.9998	.9972	.9918	.9840	.9745	.9646	.9556	.9607	.9682	
7	.9998	.9974	.9923	.9850	.9759	.9656	.9488	.9502	.9594	
8	.9998	.9976	.9927	.9858	.9772	.9674	.9468	.9395	.9502	
9	.9998	.9977	.9931	.9865	.9784	.9690	.9480	.9299	.9407	
10	.9998	.9978	.9935	.9872	.9795	.9705	.9502	.9237	.9308	
12	.9998	.9980	.9941	.9884	.9813	.9731	.9543	.9232	.9108	
14	.9998	.9982	.9946	.9894	.9829	.9753	.9579	.9283	.8932	
16	.9998	.9984	.9951	.9903	.9842	.9771	.9609	.9332	.8868	
18	.9999	.9985	.9955	.9909	.9853	.9787	.9635	.9374	.8905	
20	.9999	.9986	.9958	.9915	.9863	.9801	.9659	.9411	.8963	
25	.9999	.9988	.9964	.9928	.9883	.9829	.9705	.9488	.9087	
30	.9999	.9989	.9969	.9937	.9897	.9850	.9740	.9546	.9185	
35	.9999	.9991	.9972	.9944	.9908	.9867	.9768	.9593	.9264	
40	.9999	.9992	.9975	.9950	.9917	.9879	.9799	.9630	.9328	
45	1.0000	.9992	.9977	.9955	.9925	.9890	.9809	.9662	.9383	
50	1.0000	.9993	.9979	.9958	.9931	.9900	.9824	.9688	.9428	

	P = .8					ALPHA = .010				
N	R	0	1	2	3	4	5	7	10	15
5	.9999	.9982	.9937	.9869	.9788	.9723	.9718	.9759	.9806	
6	.9999	.9983	.9941	.9878	.9796	.9707	.9626	.9671	.9734	
7	.9999	.9984	.9945	.9885	.9808	.9718	.9560	.9575	.9655	
8	.9999	.9985	.9948	.9892	.9819	.9732	.9544	.9476	.9571	
9	.9999	.9986	.9951	.9898	.9828	.9746	.9556	.9385	.9482	
10	.9999	.9986	.9954	.9903	.9837	.9759	.9575	.9324	.9391	
12	.9999	.9988	.9958	.9912	.9851	.9780	.9611	.9322	.9201	
14	.9999	.9989	.9962	.9919	.9864	.9798	.9641	.9369	.9030	
16	1.0000	.9990	.9965	.9926	.9874	.9813	.9667	.9411	.8966	
18	1.0000	.9991	.9968	.9931	.9883	.9826	.9690	.9449	.9005	
20	1.0000	.9991	.9970	.9936	.9891	.9837	.9709	.9482	.9058	
25	1.0000	.9993	.9974	.9945	.9906	.9860	.9749	.9549	.9172	
30	1.0000	.9994	.9978	.9952	.9918	.9878	.9779	.9601	.9260	
35	1.0000	.9994	.9980	.9957	.9928	.9891	.9803	.9642	.9332	
40	1.0000	.9995	.9982	.9961	.9935	.9902	.9822	.9675	.9391	
45	1.0000	.9995	.9984	.9965	.9941	.9911	.9837	.9703	.9440	
50	1.0000	.9996	.9985	.9968	.9946	.9918	.9850	.9726	.9482	

TABLE II (Continued)

	P = .9		ALPHA = .100							
N	R	0	1	2	3	4	5	7	10	15
5	.9992	.9946	.9870	.9773	.9675	.9606	.9588	.9641	.9708	
6	.9992	.9950	.9878	.9785	.9680	.9581	.9489	.9536	.9621	
7	.9993	.9953	.9885	.9798	.9696	.9588	.9423	.9427	.9528	
8	.9993	.9955	.9891	.9809	.9712	.9605	.9399	.9319	.9432	
9	.9994	.9958	.9897	.9818	.9726	.9624	.9406	.9229	.9333	
10	.9994	.9960	.9902	.9827	.9739	.9641	.9427	.9171	.9231	
12	.9994	.9964	.9911	.9842	.9762	.9671	.9471	.9157	.9029	
14	.9995	.9967	.9919	.9855	.9781	.9697	.9511	.9205	.8864	
16	.9995	.9969	.9925	.9866	.9796	.9719	.9544	.9256	.8801	
18	.9995	.9972	.9930	.9875	.9810	.9738	.9574	.9302	.8828	
20	.9995	.9973	.9935	.9884	.9823	.9754	.9600	.9342	.8885	
25	.9997	.9977	.9944	.9900	.9847	.9787	.9652	.9425	.9015	
30	.9997	.9980	.9951	.9912	.9865	.9813	.9693	.9489	.9118	
35	.9997	.9983	.9956	.9922	.9880	.9833	.9725	.9540	.9201	
40	.9998	.9984	.9961	.9930	.9892	.9849	.9751	.9582	.9270	
45	.9998	.9986	.9964	.9936	.9901	.9862	.9773	.9617	.9328	
50	.9998	.9987	.9967	.9941	.9909	.9873	.9790	.9646	.9377	

	P = .9		ALPHA = .050							
N	R	0	1	2	3	4	5	7	10	15
5	.9996	.9964	.9902	.9820	.9731	.9665	.9653	.9698	.9755	
6	.9996	.9966	.9909	.9830	.9737	.9644	.9558	.9603	.9676	
7	.9997	.9968	.9914	.9840	.9751	.9653	.9494	.9502	.9591	
8	.9997	.9970	.9919	.9848	.9764	.9668	.9473	.9400	.9502	
9	.9997	.9971	.9923	.9856	.9776	.9684	.9483	.9311	.9409	
10	.9997	.9973	.9927	.9863	.9786	.9698	.9502	.9254	.9314	
12	.9997	.9975	.9934	.9875	.9805	.9724	.9542	.9244	.9121	
14	.9998	.9977	.9939	.9886	.9820	.9746	.9576	.9290	.8956	
16	.9998	.9979	.9944	.9894	.9834	.9764	.9615	.9336	.8894	
18	.9998	.9981	.9948	.9902	.9845	.9780	.9631	.9377	.8924	
20	.9998	.9982	.9951	.9909	.9855	.9794	.9653	.9413	.8978	
25	.9998	.9984	.9958	.9921	.9875	.9822	.9699	.9487	.9098	
30	.9998	.9986	.9963	.9931	.9890	.9843	.9734	.9545	.9192	
35	.9999	.9988	.9968	.9939	.9902	.9860	.9762	.9590	.9269	
40	.9999	.9989	.9971	.9945	.9912	.9873	.9784	.9628	.9332	
45	.9999	.9990	.9973	.9950	.9920	.9885	.9803	.9659	.9385	
50	.9999	.9991	.9976	.9954	.9926	.9894	.9819	.9685	.9430	

TABLE II (Continued)

	P = .9						ALPHA = .025			
N	R	0	1	2	3	4	5	7	10	15
5	.9998	.9975	.9926	.9855	.9774	.9713	.9704	.9743	.9792	
6	.9998	.9977	.9931	.9864	.9781	.9695	.9615	.9656	.9720	
7	.9998	.9978	.9934	.9872	.9793	.9704	.9554	.9563	.9641	
8	.9998	.9980	.9938	.9878	.9804	.9718	.9535	.9467	.9558	
9	.9998	.9981	.9942	.9885	.9814	.9731	.9545	.9380	.9471	
10	.9998	.9981	.9944	.9890	.9822	.9743	.9563	.9323	.9381	
12	.9998	.9983	.9950	.9900	.9838	.9765	.9598	.9317	.9198	
14	.9998	.9984	.9954	.9908	.9851	.9784	.9628	.9360	.9035	
16	.9999	.9986	.9957	.9915	.9862	.9799	.9654	.9402	.8973	
18	.9999	.9987	.9960	.9921	.9872	.9811	.9676	.9439	.9005	
20	.9999	.9988	.9963	.9926	.9879	.9825	.9696	.9471	.9056	
25	.9999	.9989	.9968	.9937	.9896	.9848	.9736	.9538	.9167	
30	.9999	.9991	.9972	.9944	.9909	.9867	.9767	.9590	.9254	
35	.9999	.9992	.9975	.9950	.9919	.9881	.9792	.9631	.9325	
40	1.0000	.9993	.9978	.9955	.9926	.9892	.9811	.9665	.9384	
45	1.0000	.9994	.9980	.9959	.9933	.9902	.9828	.9693	.9433	
50	1.0000	.9994	.9981	.9962	.9939	.9910	.9841	.9716	.9475	

	P = .9						ALPHA = .010			
N	R	0	1	2	3	4	5	7	10	15
5	.9999	.9985	.9947	.9890	.9819	.9763	.9757	.9790	.9830	
6	.9999	.9986	.9951	.9897	.9826	.9748	.9675	.9712	.9765	
7	.9999	.9986	.9953	.9902	.9835	.9757	.9617	.9627	.9695	
8	.9999	.9987	.9956	.9908	.9844	.9769	.9601	.9539	.9619	
9	.9999	.9988	.9958	.9912	.9852	.9780	.9612	.9456	.9539	
10	.9999	.9988	.9960	.9917	.9859	.9790	.9627	.9400	.9456	
12	1.0000	.9990	.9964	.9924	.9871	.9808	.9657	.9397	.9262	
14	1.0000	.9990	.9967	.9930	.9881	.9823	.9683	.9436	.9123	
16	1.0000	.9991	.9970	.9935	.9890	.9836	.9705	.9474	.9063	
18	1.0000	.9992	.9972	.9940	.9897	.9847	.9724	.9506	.9096	
20	1.0000	.9993	.9974	.9944	.9905	.9857	.9741	.9535	.9144	
25	1.0000	.9994	.9977	.9952	.9918	.9876	.9776	.9593	.9244	
30	1.0000	.9994	.9980	.9958	.9928	.9891	.9802	.9640	.9324	
35	1.0000	.9995	.9983	.9962	.9936	.9903	.9823	.9676	.9388	
40	1.0000	.9996	.9984	.9966	.9942	.9912	.9840	.9706	.9442	
45	1.0000	.9996	.9985	.9969	.9947	.9920	.9853	.9730	.9486	
50	1.0000	.9997	.9987	.9971	.9952	.9926	.9865	.9751	.9524	

TABLE II (Continued)

	P = 10						ALPHA = .000			
N	R	0	1	2	3	4	5	7	10	15
5	.9993	.9955	.9889	.9806	.9720	.9658	.9640	.9685	.9742	
6	.9994	.9957	.9895	.9815	.9724	.9635	.9552	.9590	.9663	
7	.9994	.9959	.9901	.9825	.9736	.9640	.9492	.9492	.9579	
8	.9994	.9962	.9906	.9834	.9749	.9654	.9469	.9395	.9491	
9	.9994	.9964	.9911	.9842	.9761	.9670	.9475	.9312	.9400	
10	.9995	.9966	.9915	.9850	.9771	.9685	.9492	.9258	.9308	
12	.9995	.9969	.9923	.9862	.9790	.9710	.9530	.9243	.9121	
14	.9995	.9971	.9929	.9873	.9807	.9732	.9564	.9285	.8967	
16	.9996	.9973	.9934	.9983	.9820	.9751	.9593	.9330	.8906	
18	.9996	.9975	.9939	.9890	.9832	.9767	.9619	.9369	.8929	
20	.9997	.9977	.9942	.9897	.9843	.9781	.9641	.9405	.8980	
25	.9997	.9980	.9950	.9911	.9864	.9810	.9687	.9478	.9096	
30	.9997	.9983	.9956	.9922	.9880	.9832	.9723	.9535	.9189	
35	.9998	.9984	.9961	.9930	.9893	.9850	.9751	.9581	.9264	
40	.9998	.9986	.9965	.9937	.9903	.9864	.9774	.9618	.9326	
45	.9998	.9987	.9968	.9942	.9911	.9876	.9793	.9650	.9379	
50	.9998	.9988	.9971	.9947	.9919	.9886	.9809	.9676	.9424	

	P = 10						ALPHA = .050			
N	R	0	1	2	3	4	5	7	10	15
5	.9997	.9969	.9917	.9846	.9767	.9710	.9697	.9735	.9783	
6	.9997	.9971	.9922	.9854	.9773	.9691	.9613	.9650	.9712	
7	.9997	.9973	.9926	.9862	.9784	.9697	.9555	.9559	.9635	
8	.9997	.9974	.9930	.9869	.9795	.9710	.9536	.9467	.9554	
9	.9997	.9976	.9934	.9875	.9804	.9723	.9542	.9386	.9469	
10	.9997	.9976	.9937	.9881	.9813	.9735	.9559	.9333	.9382	
12	.9997	.9979	.9942	.9891	.9829	.9757	.9593	.9321	.9205	
14	.9998	.9980	.9947	.9900	.9842	.9775	.9622	.9362	.9050	
16	.9998	.9982	.9951	.9907	.9853	.9791	.9647	.9402	.8990	
18	.9998	.9983	.9954	.9914	.9863	.9804	.9669	.9437	.9017	
20	.9998	.9984	.9957	.9919	.9871	.9816	.9689	.9469	.9066	
25	.9998	.9986	.9963	.9930	.9889	.9841	.9729	.9535	.9172	
30	.9999	.9988	.9968	.9939	.9902	.9860	.9760	.9586	.9258	
35	.9999	.9989	.9971	.9945	.9912	.9874	.9785	.9627	.9326	
40	.9999	.9991	.9974	.9950	.9921	.9886	.9805	.9660	.9384	
45	.9999	.9991	.9976	.9955	.9928	.9896	.9821	.9688	.9432	
50	.9999	.9992	.9978	.9958	.9933	.9904	.9835	.9712	.9473	

TABLE II (Continued)

	P = 10						ALPHA = .025			
N	R	0	1	2	3	4	5	7	10	15
5	.9998	.9979	.9937	.9876	.9805	.9751	.9742	.977	.9815	
6	.9998	.9980	.9940	.9883	.9811	.9735	.9662	.9647	.9751	
7	.9998	.9981	.9944	.9889	.9820	.9742	.9607	.9613	.9680	
8	.9998	.9983	.9947	.9893	.9829	.9753	.9590	.9526	.9605	
9	.9998	.9983	.9950	.9900	.9837	.9765	.9597	.9447	.9525	
10	.9998	.9984	.9952	.9904	.9845	.9775	.9613	.9395	.9443	
12	.9999	.9986	.9956	.9912	.9857	.9793	.9643	.9387	.9274	
14	.9999	.9987	.9959	.9920	.9868	.9809	.9668	.9425	.9122	
16	.9999	.9987	.9962	.9925	.9878	.9822	.9691	.9461	.9063	
18	.9999	.9989	.9965	.9930	.9886	.9834	.9710	.9493	.9091	
20	.9999	.9989	.9967	.9935	.9893	.9844	.9727	.9522	.9137	
25	.9999	.9991	.9972	.9944	.9908	.9865	.9763	.9581	.9236	
30	.9999	.9992	.9975	.9950	.9919	.9881	.9790	.9627	.9315	
35	1.0000	.9993	.9978	.9956	.9927	.9893	.9811	.9664	.9379	
40	1.0000	.9994	.9980	.9960	.9934	.9903	.9829	.9694	.9431	
45	1.0000	.9994	.9982	.9964	.9940	.9912	.9843	.9720	.9476	
50	1.0000	.9995	.9983	.9957	.9945	.9919	.9856	.9741	.9514	

	P = 10						ALPHA = .010			
N	R	0	1	2	3	4	5	7	10	15
5	.9999	.9987	.9955	.9906	.9844	.9795	.9788	.9816	.9849	
6	.9999	.9988	.9958	.9911	.9849	.9781	.9715	.9746	.9791	
7	.9999	.9988	.9960	.9916	.9857	.9788	.9663	.9670	.9727	
8	.9999	.9989	.9962	.9920	.9864	.9798	.9649	.9590	.9659	
9	1.0000	.9990	.9964	.9924	.9871	.9807	.9657	.9514	.9585	
10	1.0000	.9990	.9966	.9927	.9876	.9816	.9670	.9464	.9510	
12	1.0000	.9991	.9969	.9931	.9887	.9831	.9696	.9459	.9351	
14	1.0000	.9992	.9971	.9939	.9895	.9843	.9718	.9493	.9203	
16	1.0000	.9993	.9974	.9943	.9903	.9854	.9737	.9525	.9145	
18	1.0000	.9993	.9975	.9947	.9909	.9864	.9753	.9554	.9174	
20	1.0000	.9994	.9977	.9950	.9915	.9872	.9768	.9579	.9216	
25	1.0000	.9994	.9980	.9957	.9927	.9889	.9798	.9632	.9307	
30	1.0000	.9995	.9983	.9962	.9936	.9902	.9821	.9672	.9378	
35	1.0000	.9996	.9984	.9966	.9942	.9913	.9840	.9704	.9437	
40	1.0000	.9996	.9986	.9969	.9948	.9921	.9854	.9731	.9485	
45	1.0000	.9997	.9987	.9972	.9953	.9923	.9867	.9753	.9525	
50	1.0000	.9997	.9988	.9974	.9957	.9933	.9877	.9772	.9560	

TABLE II (Continued)

P = .11										ALPHA = .100
N	R	0	1	2	3	4	5	7	10	15
5	.9994	.9961	.9904	.9831	.9756	.9701	.9683	.9720	.9769	
6	.9994	.9963	.9909	.9839	.9758	.9680	.9604	.9636	.9698	
7	.9995	.9965	.9914	.9848	.9768	.9683	.9549	.9546	.9622	
8	.9995	.9967	.9919	.9855	.9779	.9695	.9528	.9459	.9541	
9	.9995	.9969	.9922	.9862	.9789	.9708	.9532	.9382	.9458	
10	.9995	.9970	.9926	.9868	.9798	.9720	.9546	.9332	.9373	
12	.9996	.9972	.9932	.9878	.9815	.9742	.9579	.9316	.9200	
14	.9996	.9975	.9937	.9887	.9828	.9761	.9608	.9353	.9055	
16	.9997	.9977	.9942	.9895	.9840	.9777	.9634	.9392	.8996	
18	.9997	.9978	.9945	.9902	.9850	.9791	.9656	.9427	.9017	
20	.9997	.9980	.9949	.9908	.9859	.9803	.9676	.9458	.9062	
25	.9997	.9982	.9956	.9920	.9878	.9829	.9716	.9524	.9167	
30	.9998	.9984	.9961	.9930	.9892	.9848	.9748	.9574	.9251	
35	.9998	.9986	.9966	.9937	.9903	.9864	.9773	.9616	.9319	
40	.9998	.9987	.9969	.9943	.9912	.9876	.9794	.9649	.9376	
45	.9998	.9989	.9972	.9948	.9920	.9887	.9811	.9678	.9424	
50	.9998	.9989	.9973	.9952	.9926	.9896	.9826	.9702	.9465	

P = .11										ALPHA = .050
N	R	0	1	2	3	4	5	7	10	15
5	.9997	.9974	.9929	.9866	.9798	.9746	.9733	.9766	.9806	
6	.9997	.9975	.9932	.9873	.9802	.9728	.9658	.9689	.9742	
7	.9998	.9976	.9936	.9879	.9810	.9733	.9606	.9607	.9672	
8	.9998	.9978	.9939	.9885	.9819	.9744	.9587	.9523	.9598	
9	.9998	.9979	.9942	.9890	.9827	.9755	.9592	.9448	.9521	
10	.9998	.9979	.9944	.9896	.9835	.9766	.9607	.9399	.9440	
12	.9998	.9981	.9950	.9904	.9848	.9784	.9635	.9387	.9275	
14	.9998	.9983	.9953	.9911	.9859	.9800	.9661	.9422	.9132	
16	.9999	.9984	.9957	.9918	.9869	.9813	.9683	.9458	.9075	
18	.9999	.9985	.9959	.9923	.9878	.9825	.9702	.9489	.9098	
20	.9999	.9986	.9962	.9928	.9885	.9835	.9719	.9517	.9141	
25	.9999	.9988	.9967	.9937	.9900	.9856	.9755	.9575	.9237	
30	.9999	.9990	.9971	.9944	.9911	.9873	.9782	.9621	.9315	
35	.9999	.9991	.9974	.9950	.9921	.9886	.9804	.9658	.9377	
40	.9999	.9992	.9977	.9955	.9928	.9897	.9822	.9688	.9429	
45	1.0000	.9992	.9979	.9959	.9934	.9906	.9836	.9713	.9473	
50	1.0000	.9993	.9980	.9962	.9940	.9913	.9849	.9734	.9511	

TABLE II (Continued)

P = 11										ALPHA = .025
R	0	1	2	3	4	5	7	10	15	
N										
5	.9998	.9982	.9943	.9892	.9830	.9782	.9773	.9801	.9836	
6	.9998	.9983	.9948	.9898	.9835	.9767	.9702	.9731	.9777	
7	.9998	.9984	.9951	.9903	.9842	.9773	.9651	.9655	.9713	
8	.9999	.9985	.9954	.9908	.9850	.9782	.9635	.9576	.9644	
9	.9999	.9986	.9956	.9912	.9857	.9792	.9641	.9503	.9571	
10	.9999	.9986	.9958	.9916	.9863	.9801	.9655	.9455	.9496	
12	.9999	.9987	.9961	.9923	.9874	.9816	.9680	.9446	.9339	
14	.9999	.9988	.9964	.9929	.9883	.9829	.9702	.9479	.9197	
16	.9999	.9989	.9967	.9934	.9891	.9841	.9722	.9511	.9141	
18	.9999	.9990	.9969	.9938	.9898	.9851	.9739	.9539	.9166	
20	.9999	.9991	.9971	.9942	.9904	.9860	.9754	.9565	.9207	
25	.9999	.9992	.9975	.9950	.9917	.9878	.9785	.9618	.9296	
30	1.0000	.9993	.9978	.9956	.9926	.9892	.9809	.9659	.9367	
35	1.0000	.9994	.9980	.9960	.9934	.9903	.9828	.9692	.9425	
40	1.0000	.9994	.9982	.9964	.9940	.9912	.9844	.9719	.9474	
45	1.0000	.9995	.9984	.9967	.9945	.9920	.9857	.9742	.9514	
50	1.0000	.9995	.9985	.9970	.9950	.9926	.9868	.9761	.9549	

P = 11										ALPHA = .010
R	0	1	2	3	4	5	7	10	15	
N										
5	1.0000	.9989	.9962	.9918	.9864	.9820	.9814	.9837	.9865	
6	1.0000	.9990	.9964	.9923	.9869	.9808	.9748	.9775	.9813	
7	1.0000	.9990	.9965	.9926	.9875	.9814	.9701	.9706	.9755	
8	1.0000	.9991	.9967	.9930	.9881	.9822	.9687	.9633	.9693	
9	1.0000	.9991	.9969	.9933	.9886	.9829	.9694	.9564	.9626	
10	1.0000	.9992	.9970	.9936	.9891	.9837	.9706	.9517	.9536	
12	1.0000	.9992	.9973	.9942	.9900	.9849	.9728	.9512	.9409	
14	1.0000	.9993	.9975	.9946	.9907	.9860	.9747	.9542	.9271	
16	1.0000	.9993	.9977	.9950	.9913	.9870	.9763	.9570	.9217	
18	1.0000	.9994	.9978	.9953	.9919	.9878	.9778	.9595	.9243	
20	1.0000	.9994	.9979	.9956	.9924	.9885	.9791	.9617	.9281	
25	1.0000	.9995	.9982	.9962	.9934	.9900	.9817	.9663	.9361	
30	1.0000	.9996	.9984	.9965	.9941	.9912	.9838	.9700	.9426	
35	1.0000	.9996	.9986	.9969	.9948	.9921	.9854	.9729	.9479	
40	1.0000	.9997	.9987	.9973	.9953	.9928	.9867	.9753	.9523	
45	1.0000	.9997	.9988	.9975	.9957	.9934	.9878	.9773	.9560	
50	1.0000	.9997	.9989	.9977	.9960	.9939	.9838	.9790	.9592	

TABLE II (Continued)

	P = .12					ALPHA = .100				
R	0	1	2	3	4	5	7	10	15	
N										
5	.9995	.9966	.9917	.9852	.9783	.9735	.9718	.9751	.9792	
6	.9995	.9968	.9921	.9859	.9787	.9716	.9647	.9674	.9727	
7	.9995	.9969	.9925	.9865	.9795	.9718	.9597	.9593	.9658	
8	.9995	.9971	.9928	.9872	.9804	.9729	.9577	.9511	.9584	
9	.9995	.9972	.9931	.9878	.9813	.9740	.9580	.9442	.9508	
10	.9995	.9973	.9934	.9883	.9821	.9751	.9593	.9395	.9428	
12	.9997	.9976	.9940	.9892	.9834	.9769	.9621	.9379	.9268	
14	.9997	.9978	.9944	.9900	.9846	.9785	.9648	.9411	.9132	
16	.9997	.9979	.9948	.9905	.9856	.9799	.9669	.9445	.9076	
18	.9997	.9980	.9951	.9912	.9865	.9812	.9688	.9477	.9093	
20	.9997	.9981	.9953	.9918	.9873	.9822	.9708	.9503	.9134	
25	.9998	.9984	.9961	.9928	.9889	.9845	.9742	.9563	.9229	
30	.9998	.9986	.9965	.9937	.9902	.9862	.9770	.9608	.9305	
35	.9998	.9987	.9969	.9943	.9912	.9876	.9792	.9646	.9367	
40	.9998	.9989	.9972	.9948	.9920	.9887	.9811	.9677	.9420	
45	.9998	.9990	.9974	.9953	.9927	.9897	.9826	.9702	.9464	
50	.9998	.9991	.9976	.9956	.9933	.9904	.9840	.9724	.9502	

	P = .12					ALPHA = .050				
R	0	1	2	3	4	5	7	10	15	
N										
5	.9998	.9977	.9938	.9883	.9822	.9776	.9763	.9791	.9826	
6	.9998	.9979	.9941	.9889	.9825	.9760	.9695	.9721	.9767	
7	.9998	.9979	.9944	.9894	.9832	.9763	.9648	.9646	.9703	
8	.9998	.9980	.9946	.9899	.9840	.9772	.9630	.9570	.9635	
9	.9998	.9981	.9949	.9904	.9847	.9782	.9634	.9502	.9565	
10	.9998	.9982	.9951	.9908	.9853	.9791	.9646	.9456	.9490	
12	.9999	.9984	.9955	.9915	.9865	.9806	.9672	.9443	.9337	
14	.9999	.9985	.9958	.9921	.9874	.9820	.9693	.9474	.9203	
16	.9999	.9986	.9961	.9926	.9883	.9832	.9713	.9506	.9148	
18	.9999	.9987	.9954	.9931	.9890	.9842	.9730	.9533	.9169	
20	.9999	.9988	.9956	.9935	.9896	.9851	.9745	.9558	.9207	
25	.9999	.9989	.9971	.9943	.9909	.9870	.9776	.9611	.9294	
30	.9999	.9991	.9974	.9950	.9920	.9884	.9800	.9651	.9364	
35	.9999	.9992	.9977	.9955	.9928	.9896	.9821	.9685	.9422	
40	1.0000	.9992	.9979	.9959	.9935	.9905	.9836	.9712	.9469	
45	1.0000	.9993	.9981	.9962	.9940	.9914	.9850	.9735	.9510	
50	1.0000	.9994	.9982	.9965	.9945	.9920	.9861	.9755	.9545	

TABLE II (Continued)

	P = 12						ALPHA = .025			
N	R	0	1	2	3	4	5	7	10	15
5	.9998	.9984	.9953	.9906	.9851	.9808	.9798	.9822	.9852	
6	.9999	.9985	.9955	.9911	.9854	.9794	.9734	.9759	.9799	
7	.9999	.9986	.9956	.9915	.9861	.9798	.9688	.9690	.9740	
8	.9999	.9987	.9959	.9919	.9867	.9806	.9674	.9618	.9677	
9	.9999	.9987	.9961	.9922	.9873	.9814	.9679	.9532	.9610	
10	.9999	.9988	.9963	.9926	.9878	.9822	.9690	.9507	.9541	
12	.9999	.9989	.9966	.9931	.9887	.9836	.9712	.9497	.9395	
14	.9999	.9990	.9969	.9936	.9895	.9847	.9731	.9526	.9263	
16	.9999	.9991	.9970	.9940	.9903	.9857	.9748	.9555	.9209	
18	.9999	.9991	.9972	.9945	.9909	.9865	.9763	.9580	.9231	
20	.9999	.9992	.9974	.9948	.9914	.9873	.9776	.9602	.9268	
25	1.0000	.9993	.9978	.9955	.9925	.9889	.9804	.9649	.9349	
30	1.0000	.9994	.9980	.9960	.9933	.9902	.9825	.9686	.9414	
35	1.0000	.9994	.9982	.9964	.9940	.9912	.9843	.9716	.9466	
40	1.0000	.9995	.9984	.9967	.9946	.9920	.9857	.9741	.9511	
45	1.0000	.9995	.9985	.9970	.9950	.9926	.9868	.9762	.9548	
50	1.0000	.9995	.9986	.9972	.9954	.9932	.9878	.9779	.9580	

	P = 12						ALPHA = .010			
N	R	0	1	2	3	4	5	7	10	15
5	1.0000	.9991	.9966	.9923	.9881	.9841	.9835	.9854	.9879	
6	1.0000	.9991	.9968	.9932	.9884	.9830	.9776	.9798	.9832	
7	1.0000	.9992	.9970	.9935	.9889	.9835	.9733	.9736	.9779	
8	1.0000	.9992	.9971	.9938	.9894	.9841	.9720	.9670	.9722	
9	1.0000	.9992	.9972	.9941	.9899	.9848	.9726	.9606	.9661	
10	1.0000	.9993	.9974	.9943	.9903	.9854	.9736	.9563	.9596	
12	1.0000	.9993	.9976	.9948	.9910	.9865	.9755	.9556	.9460	
14	1.0000	.9994	.9978	.9952	.9917	.9875	.9772	.9583	.9331	
16	1.0000	.9994	.9979	.9953	.9923	.9883	.9786	.9608	.9279	
18	1.0000	.9995	.9980	.9958	.9927	.9890	.9799	.9630	.9302	
20	1.0000	.9995	.9982	.9960	.9932	.9896	.9810	.9650	.9336	
25	1.0000	.9996	.9984	.9965	.9941	.9909	.9833	.9691	.9409	
30	1.0000	.9996	.9986	.9969	.9947	.9920	.9852	.9724	.9468	
35	1.0000	.9997	.9987	.9973	.9953	.9928	.9866	.9750	.9516	
40	1.0000	.9997	.9988	.9975	.9957	.9934	.9878	.9772	.9556	
45	1.0000	.9997	.9990	.9977	.9961	.9940	.9888	.9791	.9591	
50	1.0000	.9997	.9991	.9979	.9963	.9945	.9897	.9806	.9619	

TABLE II (Continued)

	P = 13						ALPHA = .100			
N	R	0	1	2	3	4	5	7	10	15
5	.9995	.9970	.9926	.9870	.9809	.9765	.9748	.9776	.9812	
6	.9996	.9972	.9930	.9875	.9810	.9747	.9683	.9706	.9753	
7	.9995	.9973	.9934	.9881	.9818	.9748	.9638	.9632	.9689	
8	.9996	.9974	.9936	.9886	.9825	.9757	.9619	.9557	.9621	
9	.9996	.9975	.9939	.9891	.9832	.9767	.9621	.9492	.9550	
10	.9997	.9977	.9942	.9895	.9839	.9776	.9632	.9449	.9477	
12	.9997	.9978	.9946	.9903	.9851	.9792	.9657	.9433	.9327	
14	.9997	.9980	.9950	.9910	.9861	.9806	.9679	.9461	.9200	
16	.9997	.9981	.9953	.9916	.9870	.9818	.9698	.9492	.9146	
18	.9997	.9983	.9956	.9921	.9878	.9829	.9716	.9520	.9161	
20	.9997	.9984	.9959	.9926	.9885	.9839	.9731	.9545	.9198	
25	.9998	.9986	.9964	.9935	.9900	.9859	.9763	.9597	.9284	
30	.9998	.9987	.9968	.9942	.9911	.9874	.9789	.9638	.9353	
35	.9998	.9989	.9972	.9948	.9920	.9886	.9809	.9673	.9411	
40	.9998	.9990	.9974	.9953	.9927	.9897	.9826	.9700	.9458	
45	.9998	.9991	.9977	.9957	.9933	.9905	.9849	.9724	.9499	
50	.9998	.9991	.9978	.9960	.9938	.9912	.9852	.9744	.9534	

	P = 13						ALPHA = .050			
N	R	0	1	2	3	4	5	7	10	15
5	.9998	.9980	.9945	.9897	.9842	.9801	.9788	.9812	.9842	
6	.9938	.9981	.9948	.9901	.9845	.9786	.9727	.9749	.9789	
7	.9998	.9982	.9950	.9906	.9851	.9788	.9683	.9681	.9730	
8	.9998	.9983	.9953	.9910	.9857	.9796	.9667	.9610	.9668	
9	.9998	.9983	.9955	.9914	.9863	.9804	.9670	.9547	.9602	
10	.9999	.9984	.9957	.9918	.9869	.9812	.9681	.9505	.9534	
12	.9999	.9985	.9960	.9924	.9878	.9826	.9702	.9493	.9392	
14	.9999	.9986	.9963	.9929	.9887	.9837	.9722	.9519	.9265	
16	.9999	.9987	.9965	.9934	.9894	.9848	.9739	.9548	.9213	
18	.9999	.9988	.9967	.9938	.9900	.9857	.9754	.9572	.9231	
20	.9999	.9989	.9969	.9941	.9906	.9864	.9767	.9594	.9266	
25	.9999	.9990	.9973	.9949	.9918	.9881	.9795	.9641	.9345	
30	.9999	.9992	.9976	.9954	.9927	.9894	.9817	.9678	.9408	
35	1.0000	.9992	.9979	.9959	.9934	.9905	.9835	.9708	.9461	
40	1.0000	.9993	.9981	.9962	.9940	.9914	.9849	.9733	.9505	
45	1.0000	.9994	.9983	.9966	.9945	.9921	.9862	.9754	.9541	
50	1.0000	.9994	.9984	.9969	.9949	.9926	.9872	.9772	.9574	

TABLE II (Continued)

P = 13							ALPHA = .025			
N	R	0	1	2	3	4	5	7	10	15
5	.9999	.9986	.9958	.9917	.9868	.9829	.9820	.9840	.9866	
6	.9999	.9987	.9961	.9921	.9870	.9816	.9762	.9782	.9818	
7	.9999	.9987	.9962	.9925	.9876	.9820	.9720	.9720	.9764	
8	.9999	.9988	.9964	.9928	.9881	.9826	.9706	.9654	.9706	
9	.9999	.9989	.9966	.9931	.9886	.9834	.9710	.9593	.9644	
10	.9999	.9989	.9967	.9934	.9891	.9840	.9720	.9551	.9580	
12	.9999	.9990	.9970	.9939	.9899	.9851	.9739	.9541	.9445	
14	.9999	.9991	.9972	.9943	.9906	.9862	.9756	.9567	.9321	
16	.9999	.9991	.9973	.9947	.9912	.9870	.9771	.9592	.9270	
18	.9999	.9992	.9975	.9950	.9917	.9878	.9784	.9615	.9289	
20	1.0000	.9992	.9977	.9953	.9922	.9885	.9796	.9635	.9322	
25	1.0000	.9994	.9980	.9959	.9932	.9899	.9820	.9677	.9395	
30	1.0000	.9994	.9982	.9964	.9939	.9910	.9840	.9710	.9455	
35	1.0000	.9995	.9984	.9967	.9945	.9919	.9855	.9737	.9503	
40	1.0000	.9995	.9985	.9970	.9950	.9926	.9868	.9760	.9543	
45	1.0000	.9995	.9986	.9973	.9955	.9933	.9879	.9779	.9577	
50	1.0000	.9996	.9987	.9975	.9958	.9937	.9888	.9795	.9607	

P = 13							ALPHA = .010			
N	R	0	1	2	3	4	5	7	10	15
5	1.0000	.9992	.9971	.9937	.9894	.9859	.9852	.9869	.9891	
6	1.0000	.9992	.9972	.9940	.9897	.9848	.9799	.9818	.9847	
7	1.0000	.9992	.9973	.9942	.9901	.9852	.9760	.9761	.9799	
8	1.0000	.9993	.9975	.9945	.9906	.9858	.9748	.9701	.9746	
9	1.0000	.9993	.9976	.9948	.9909	.9864	.9753	.9643	.9690	
10	1.0000	.9993	.9977	.9949	.9913	.9869	.9761	.9602	.9631	
12	1.0000	.9994	.9979	.9953	.9920	.9879	.9778	.9595	.9504	
14	1.0000	.9994	.9980	.9957	.9925	.9887	.9793	.9619	.9383	
16	1.0000	.9995	.9981	.9959	.9930	.9894	.9805	.9642	.9334	
18	1.0000	.9995	.9982	.9962	.9934	.9900	.9816	.9661	.9355	
20	1.0000	.9996	.9983	.9964	.9938	.9906	.9826	.9679	.9385	
25	1.0000	.9996	.9985	.9969	.9946	.9917	.9847	.9716	.9452	
30	1.0000	.9997	.9987	.9972	.9952	.9926	.9864	.9745	.9505	
35	1.0000	.9997	.9988	.9975	.9957	.9934	.9877	.9769	.9550	
40	1.0000	.9997	.9990	.9977	.9961	.9940	.9888	.9789	.9586	
45	1.0000	.9997	.9991	.9979	.9964	.9945	.9897	.9806	.9617	
50	1.0000	.9998	.9992	.9981	.9967	.9949	.9905	.9820	.9644	

TABLE II (Continued)

	P = 14					ALPHA = .100				
N	R	0	1	2	3	4	5	7	10	15
5	.9996	.9973	.9935	.9884	.9829	.9739	.9774	.9797	.9829	
6	.9996	.9975	.9938	.9889	.9831	.9773	.9714	.9734	.9775	
7	.9997	.9976	.9940	.9893	.9837	.9774	.9673	.9665	.9716	
8	.9997	.9977	.9944	.9898	.9843	.9781	.9655	.9597	.9653	
9	.9997	.9978	.9945	.9902	.9850	.9789	.9656	.9537	.9588	
10	.9997	.9979	.9948	.9905	.9855	.9797	.9665	.9497	.9519	
12	.9997	.9981	.9951	.9913	.9865	.9812	.9687	.9480	.9380	
14	.9997	.9982	.9955	.9919	.9875	.9824	.9707	.9505	.9259	
16	.9997	.9983	.9958	.9924	.9883	.9834	.9724	.9533	.9208	
18	.9998	.9984	.9961	.9928	.9889	.9844	.9740	.9558	.9221	
20	.9998	.9985	.9962	.9933	.9895	.9853	.9754	.9580	.9254	
25	.9998	.9987	.9967	.9940	.9908	.9870	.9782	.9627	.9333	
30	.9998	.9989	.9971	.9947	.9918	.9884	.9805	.9665	.9397	
35	.9998	.9989	.9974	.9953	.9926	.9895	.9823	.9696	.9449	
40	.9998	.9991	.9977	.9957	.9933	.9904	.9839	.9721	.9493	
45	.9998	.9991	.9978	.9960	.9938	.9912	.9851	.9743	.9530	
50	.9999	.9992	.9980	.9963	.9943	.9919	.9862	.9761	.9563	

	P = 14					ALPHA = .050				
N	R	0	1	2	3	4	5	7	10	15
5	.9998	.9982	.9951	.9908	.9859	.9821	.9809	.9830	.9857	
6	.9998	.9984	.9954	.9912	.9860	.9807	.9754	.9772	.9808	
7	.9999	.9984	.9956	.9916	.9866	.9809	.9714	.9710	.9754	
8	.9999	.9984	.9958	.9919	.9872	.9816	.9698	.9645	.9696	
9	.9999	.9985	.9959	.9923	.9877	.9823	.9701	.9587	.9635	
10	.9999	.9986	.9961	.9926	.9882	.9830	.9710	.9547	.9571	
12	.9999	.9987	.9964	.9931	.9890	.9842	.9729	.9535	.9439	
14	.9999	.9988	.9966	.9936	.9867	.9852	.9746	.9559	.9320	
16	.9999	.9989	.9969	.9940	.9904	.9862	.9761	.9584	.9270	
18	.9999	.9990	.9971	.9943	.9909	.9869	.9775	.9606	.9286	
20	.9999	.9990	.9972	.9947	.9914	.9876	.9787	.9626	.9318	
25	.9999	.9991	.9976	.9953	.9925	.9891	.9811	.9668	.9390	
30	1.0000	.9992	.9978	.9958	.9933	.9903	.9831	.9702	.9448	
35	1.0000	.9993	.9981	.9962	.9940	.9913	.9848	.9729	.9496	
40	1.0000	.9994	.9983	.9966	.9945	.9920	.9861	.9752	.9537	
45	1.0000	.9994	.9984	.9969	.9949	.9927	.9872	.9771	.9571	
50	1.0000	.9994	.9985	.9971	.9953	.9932	.9881	.9787	.9600	

TABLE II (Continued)

	P = 14						ALPHA = .025			
N	R	0	1	2	3	4	5	7	10	15
5	.9999	.9988	.9963	.9926	.9882	.9847	.9838	.9856	.9878	
6	.9999	.9989	.9965	.9930	.9884	.9835	.9785	.9803	.9834	
7	.9999	.9989	.9966	.9933	.9889	.9838	.9747	.9745	.9784	
8	.9999	.9989	.9968	.9935	.9893	.9843	.9734	.9685	.9731	
9	.9999	.9990	.9969	.9938	.9898	.9850	.9737	.9629	.9674	
10	.9999	.9991	.9970	.9940	.9901	.9856	.9745	.9590	.9614	
12	.9999	.9991	.9973	.9945	.9909	.9865	.9762	.9580	.9488	
14	.9999	.9992	.9975	.9948	.9915	.9875	.9778	.9602	.9372	
16	1.0000	.9992	.9976	.9951	.9920	.9882	.9791	.9625	.9323	
18	1.0000	.9993	.9978	.9955	.9925	.9889	.9803	.9645	.9340	
20	1.0000	.9993	.9979	.9957	.9929	.9895	.9813	.9663	.9370	
25	1.0000	.9994	.9981	.9962	.9937	.9908	.9835	.9701	.9437	
30	1.0000	.9995	.9984	.9967	.9944	.9917	.9852	.9731	.9491	
35	1.0000	.9995	.9985	.9970	.9950	.9925	.9861	.9756	.9535	
40	1.0000	.9995	.9986	.9973	.9955	.9932	.9878	.9777	.9572	
45	1.0000	.9996	.9987	.9975	.9958	.9937	.9887	.9794	.9604	
50	1.0000	.9997	.9989	.9977	.9961	.9942	.9896	.9809	.9632	

	P = 14						ALPHA = .010			
N	R	0	1	2	3	4	5	7	10	15
5	1.0000	.9993	.9974	.9944	.9905	.9874	.9867	.9882	.9900	
6	1.0000	.9993	.9975	.9946	.9908	.9864	.9819	.9836	.9861	
7	1.0000	.9993	.9976	.9948	.9911	.9867	.9783	.9783	.9816	
8	1.0000	.9993	.9977	.9951	.9915	.9872	.9772	.9728	.9768	
9	1.0000	.9994	.9978	.9953	.9919	.9877	.9776	.9674	.9716	
10	1.0000	.9994	.9979	.9955	.9922	.9882	.9783	.9637	.9661	
12	1.0000	.9995	.9981	.9958	.9927	.9890	.9798	.9629	.9543	
14	1.0000	.9995	.9982	.9951	.9932	.9897	.9811	.9651	.9430	
16	1.0000	.9996	.9983	.9963	.9937	.9903	.9822	.9670	.9383	
18	1.0000	.9996	.9984	.9965	.9940	.9909	.9832	.9688	.9401	
20	1.0000	.9996	.9985	.9967	.9943	.9914	.9841	.9704	.9429	
25	1.0000	.9997	.9987	.9971	.9950	.9924	.9859	.9737	.9489	
30	1.0000	.9997	.9988	.9975	.9956	.9932	.9875	.9764	.9539	
35	1.0000	.9997	.9990	.9977	.9960	.9939	.9886	.9786	.9579	
40	1.0000	.9997	.9991	.9979	.9964	.9945	.9896	.9803	.9613	
45	1.0000	.9998	.9992	.9981	.9967	.9919	.9904	.9819	.9641	
50	1.0000	.9998	.9992	.9983	.9969	.9952	.9912	.9832	.9666	